Author Index

Volume 46, July–December 2005

AADVANCE Investigators, 508
Abboud FM, 540
Abe Y, 1039
Adachi M, 738
Adachi Y, 441
Adams F, 130
Adji A, e15
African American Study of Kidney Disease and Hypertension (AASK) Study Group Investigators, 44
Agarwal R, 514
Aghajanova L, 1163
Agodoa LY, 44
Aherrahrou Z, 766
Ahimastos AA, 1129
Ahmed SB, 1316
Albornoz F, 313
Alenina N, 937
Alexander BT, 1022
Allolio B, 787
Alonso A, e21, e21
Amar J, 151
Ambrosius WT, 481
Amiri F, 598
Andersen MJ, 514
Anderson KM, 1309
Ando S-I, 1327
Andrade Md, 751
Andrews PM, 58
Angeli F, 25, 386
Angelis KD, 998
Aras-Lopez R, 107
Arenare F, 321
Arenas IA, 76
Armstrong SJ, 76
Arnaud P, 210
Arnett DK, 1286, 1294
Arnold JMO, 1111
Arruda RMP, 932
Asanuma H, 113
Asico LD, 799, 926
Asselbergs FW, e20
Atkins N, 156
Atkinson J, 372
Averill DB, 333
Avolio A, 227
Avorn J, 273
Ayala DE, 960, 1053, 1060

Bader M, 937
Bäcker A, 969
Bakris G, 473, 488, 637, 1309
Baldwin CT, 488
Balfagón G, 107
Bao X, 301
Barbato JC, 647
Bargetto J, 1362
Barrett CJ, 168
Bartel S, 1275
Batenburg WW, 701
Bathgate RAD, 412
Bean K, 654
Belch JJF, 1123
Bell DSH, 1309
Bell PD, 469
Bellien J, 210
Belló-Klein A, 998
Ben-Dov IZ, e1
Benedetto C, 1270
Benetos A, 261, 654
Bennett W, 82, 1022
Bentivoglio M, 386
Bernard M, 1280
Bernardes CF, 1010
Bernardi L, 714
Bertagnolli M, 998
Bertrais S, 287
Beunza JJ, e21
Biaggioni I, 355, 1103
Bian X, 1154
Bianchi G, 527
Biegelsen ES, 707
Bielinski SJ, 1286
Bild D, 38
Binggeli C, 521
Birkenhäger WH, 255
Bischoff-Ferrari HA, 676
Blacher J, 287
Black MJ, 1347
Blanco CE, 71
Blanco-Rivero J, 107
Bloch K, 1207
Blombery PA, e14
Blumberg JB, 398, e17, e22
Bodnar LM, 1263
Boerwinkle E, 758
Bolla G, 321
Bolterman RJ, 943
Bonneux L, 280
Bootsma AH, 232
Booz GW, 259
Borch-Johnsen K, 660
Bordin S, 1004
Boschmann M, 130
Bouchard G, 1280
Boudier HS, 205
Bouldin M, e1
Bowers MC, 51
Bradley TD, 1327
Brady HJM, 100
Brambilla L, 1321
Brambilla V, 1321
Brassard P, 598
Breton C, 1169
Brookhart MA, 273
Brosnihan KB, 1097
Brown MJ, 221
Brown NJ, 313
Budoff M, 238
Buhner S, 787
Bujalska IJ, 787
Burnier M, 547
Bursztyn M, e1
Busca G, 1213
Butlin M, 227
Byrne DW, 313, 1103

Cachofeiro V, 107
Cai T, e18
Calderone A, 1219
Callera GE, 1032
Callister TQ, 238
Calvo C, 960, 1053, 1060
Campbell DJ, 452
Campese VM, 533
Cao C, 1381
Carretero OA, 1175, 1355
Cascorbi I, 1103
Casellas D, 372
Casiraghi N, 714
Castagna A, 683
Castiglioni P, 1321
Castrop H, 780
Casucci G, 714
Červenka L, 969
Chade AR, 772
Chae CU, 689
Chai W, 701
Chakravarti A, 1294
Chamontin B, 151
Chang Y-PC, 1294
Chao Y-M, 614
Chapleau MW, 540
Chapman AB, 758
Chappell MC, 1097
Charron S, 1300
Chaturvedi N, 232
Cheek D, 44
Chen J, 622
Chen K, 622
Chen Y-DI, 1286
Chen Z, 1368
Chiecchi L, 683
Christensen MK, 660
Chun T-Y, 481
Clari F, 1213
Clasen R, 137
Clement R, 1219
Clemenz M, 137
Cockcroft JR, 221, 227
Cockrell K, 82, 1022
Cohn JN, 217
Colucci WS, 555
Conlin PR, 1111
Conrad KP, 745
Consolim-Colombo F, 998
Contreras G, 44
Cooil B, 238
Cook AK, 562
Cool DR, 953
Cooper R, 38, 751, 1286
Cooper RS, 124
Cope G, 295
Cornelissen VA, 667
Corrocher R, 683
Corti R, 521
Coruzzi P, 1321
Corvol P, 1169
Courbon D, 287
Cowley AW, 1280
Crescenzi A, 1004
Croce G, 398
Crow MK, 194
Cui J, 488
Cunha TS, 1010
Curb JD, 751
Curhan GC, 500, 676
Cuthbert A, 295
Czernichow S, 287

D'Agostino SJ, 982
Dahlöf B, e6, 492
Daley W, 508
D'Amore A, 1347
Dampney RAL, 173
D'Angelo G, 806
Danielson LA, 745
Danser AHJ, 569, 701, 1069
Dantas APV, 21
Danzeisen C, 162
da Silva AA, 326
Dauça M, 372
Davidge ST, 76
Davis A, 194
de Almeida AP, 937
Debrah DO, 745
de Castro CH, 937
Dechend R, 569
Deddish PA, 1368
Deinum J, 1069
de Laet C, 280
de la Fuente C, e21
Delaloy C, 263
Delbridge LMD, 426
de Leeuw PW, 1236
Dell'Oro R, 321
Deloof S, 1169
De Mey JGR, 71
Deng AY, 1300
Den Hond E, 156
Deschepper CF, 271
Desideri G, 398, e17
de Simone G, 23
DeStefano AL, 488
Detrano R, 38
Devereux RB, 194, e6, 492, 1294
Didion SP, 1147
Diedrich A, 355
Dielis AWJH, 1236
Di Fede G, 1201
Dikalova A, 732
Dilley RJ, 1129
Dimsdale JE, 301
Ding Y, 419
DiPette DJ, 51
Di Rienzo M, 1321
Diz DI, 333
Dmochowski J, 1186
Doering A, 766
Dolan E, 156, e11
Domenighetti AA, 426, 547
Donahue RP, 1186
D'Orléans-Juste P, 87
Dorn JM, 1186
dos Santos RAS, 937
Dowie D, 44
Drapeau J, 1219
Drazner MH, 124
Drew BG, 1129
Dries DL, 124
Du X-J, 412
Duarte FV, 948
Dubey RK, 628
Ducimetière P, 287
Duffy SJ, 707
Duhaney T-AS, 555
Dunlap ME, 1111
Duong C, 1300
Duprez DA, 217
Dupuis J, 1219
Durante W, 29
Dwyer TM, 1194
Dzau VJ, 7

Eberhardt RT, 707

Author Index

Volume 46, July–December 2005

AADVANCE Investigators, 508
Abboud FM, 540
Abe Y, 1039
Adachi M, 738
Adachi Y, 441
Adams F, 130
Adji A, e15
African American Study of Kidney Disease and Hypertension (AASK) Study Group Investigators, 44
Agarwal R, 514
Aghajanova L, 1163
Agodoa LY, 44
Aherrahrou Z, 766
Ahimastos AA, 1129
Ahmed SB, 1316
Albornoz F, 313
Alenina N, 937
Alexander BT, 1022
Allolio B, 787
Alonso A, e21, e21
Amar J, 151
Ambrosius WT, 481
Amiri F, 598
Andersen MJ, 514
Anderson KM, 1309
Ando S-I, 1327
Andrade Md, 751
Andrews PM, 58
Angeli F, 25, 386
Angelis KD, 998
Aras-Lopez R, 107
Arenare F, 321
Arenas IA, 76
Armstrong SJ, 76
Arnaud P, 210
Arnett DK, 1286, 1294
Arnold JMO, 1111
Arruda RMP, 932
Asanuma H, 113
Asico LD, 799, 926
Asselbergs FW, e20
Atkins N, 156
Atkinson J, 372
Averill DB, 333
Avolio A, 227
Avorn J, 273
Ayala DE, 960, 1053, 1060

Bader M, 937
Bäcker A, 969
Bakris G, 473, 488, 637, 1309
Baldwin CT, 488
Balfagón G, 107
Bao X, 301
Barbato JC, 647
Bargetto J, 1362
Barrett CJ, 168
Bartel S, 1275
Batenburg WW, 701
Bathgate RAD, 412
Bean K, 654
Belch JJF, 1123
Bell DSH, 1309
Bell PD, 469
Bellien J, 210
Belló-Klein A, 998
Ben-Dov IZ, e1
Benedetto C, 1270
Benetos A, 261, 654
Bennett W, 82, 1022
Bentivoglio M, 386
Bernard M, 1280
Bernardes CF, 1010
Bernardi L, 714
Bertagnolli M, 998
Bertrais S, 287
Beunza JJ, e21
Biaggioni I, 355, 1103
Bian X, 1154
Bianchi G, 527
Biegelsen ES, 707
Bielinski SJ, 1286
Bild D, 38
Binggeli C, 521
Birkenhäger WH, 255
Bischoff-Ferrari HA, 676
Blacher J, 287
Black MJ, 1347
Blanco CE, 71
Blanco-Rivero J, 107
Bloch K, 1207
Blombery PA, e14
Blumberg JB, 398, e17, e22
Bodnar LM, 1263
Boerwinkle E, 758
Bolla G, 321
Bolterman RJ, 943
Bonneux L, 280
Bootsma AH, 232
Booz GW, 259
Borch-Johnsen K, 660
Bordin S, 1004
Boschmann M, 130
Bouchard G, 1280
Boudier HS, 205
Bouldin M, e1
Bowers MC, 51
Bradley TD, 1327
Brady HJM, 100
Brambilla L, 1321
Brambilla V, 1321
Brassard P, 598
Breton C, 1169
Brookhart MA, 273
Brosnihan KB, 1097
Brown MJ, 221
Brown NJ, 313
Budoff M, 238
Buhner S, 787
Bujalska IJ, 787
Burnier M, 547
Bursztyn M, e1
Busca G, 1213
Butlin M, 227
Byrne DW, 313, 1103

Cachofeiro V, 107
Cai T, e18
Calderone A, 1219
Callera GE, 1032
Callister TQ, 238
Calvo C, 960, 1053, 1060
Campbell DJ, 452
Campese VM, 533
Cao C, 1381
Carretero OA, 1175, 1355
Cascorbi I, 1103
Casellas D, 372
Casiraghi N, 714
Castagna A, 683
Castiglioni P, 1321
Castrop H, 780
Casucci G, 714
Červenka L, 969
Chade AR, 772
Chae CU, 689
Chai W, 701
Chakravarti A, 1294
Chamontin B, 151
Chang Y-PC, 1294
Chao Y-M, 614
Chapleau MW, 540
Chapman AB, 758
Chappell MC, 1097
Charron S, 1300
Chaturvedi N, 232
Cheek D, 44
Chen J, 622
Chen K, 622
Chen Y-DI, 1286
Chen Z, 1368
Chiecchi L, 683
Christensen MK, 660
Chun T-Y, 481
Clari F, 1213
Clasen R, 137
Clement R, 1219
Clemenz M, 137
Cockcroft JR, 221, 227
Cockrell K, 82, 1022
Cohn JN, 217
Colucci WS, 555
Conlin PR, 1111
Conrad KP, 745
Consolim-Colombo F, 998
Contreras G, 44
Cooil B, 238
Cook AK, 562
Cool DR, 953
Cooper R, 38, 751, 1286
Cooper RS, 124
Cope G, 295
Cornelissen VA, 667
Corrocher R, 683
Corti R, 521
Coruzzi P, 1321
Corvol P, 1169
Courbon D, 287
Cowley AW, 1280
Crescenzi A, 1004
Croce G, 398
Crow MK, 194
Cui J, 488
Cunha TS, 1010
Curb JD, 751
Curhan GC, 500, 676
Cuthbert A, 295
Czernichow S, 287

D'Agostino SJ, 982
Dahlöf B, e6, 492
Daley W, 508
D'Amore A, 1347
Dampney RAL, 173
D'Angelo G, 806
Danielson LA, 745
Danser AHJ, 569, 701, 1069
Dantas APV, 21
Danzeisen C, 162
da Silva AA, 326
Dauça M, 372
Davidge ST, 76
Davis A, 194
de Almeida AP, 937
Debrah DO, 745
de Castro CH, 937
Dechend R, 569
Deddish PA, 1368
Deinum J, 1069
de Laet C, 280
de la Fuente C, e21
Delaloy C, 263
Delbridge LMD, 426
de Leeuw PW, 1236
Dell'Oro R, 321
Deloof S, 1169
De Mey JGR, 71
Deng AY, 1300
Den Hond E, 156
Deschepper CF, 271
Desideri G, 398, e17
de Simone G, 23
DeStefano AL, 488
Detrano R, 38
Devereux RB, 194, e6, 492, 1294
Didion SP, 1147
Diedrich A, 355
Dielis AWJH, 1236
Di Fede G, 1201
Dikalova A, 732
Dilley RJ, 1129
Dimsdale JE, 301
Ding Y, 419
DiPette DJ, 51
Di Rienzo M, 1321
Diz DI, 333
Dmochowski J, 1186
Doering A, 766
Dolan E, 156, e11
Domenighetti AA, 426, 547
Donahue RP, 1186
D'Orléans-Juste P, 87
Dorn JM, 1186
dos Santos RAS, 937
Dowie D, 44
Drapeau J, 1219
Drazner MH, 124
Drew BG, 1129
Dries DL, 124
Du X-J, 412
Duarte FV, 948
Dubey RK, 628
Ducimetière P, 287
Duffy SJ, 707
Duhaney T-AS, 555
Dunlap ME, 1111
Duong C, 1300
Duprez DA, 217
Dupuis J, 1219
Durante W, 29
Dwyer TM, 1194
Dzau VJ, 7

Eberhardt RT, 707

Eckert GJ, 481
Edwards B, 562
Egger M, 426
Egri ZJ, 1327
Ehmke H, 1259
Eisner GM, 799, 926
El-Helou V, 1219
Elased KM, 953
Eldadah BA, 1333
Eliopoulos V, 1300
Elmarakby AA, 806
Emanueli C, 433
Enache M, 1169
Engeli S, 130
ENIGMA Study Investigators, 221
Erdmann J, 766
Erdös EG, 1368
EURODIAB Prospective Complications Study Group, 232
Everson-Rose SA, 689

Faber R, 1275
Facchinetti F, 1270
Facchini A, 321
Facoetti A, 1213
Fagard RH, 667
Falck JR, 607, 1175
Fallarini S, 1213
Faraci FM, 1147
Faria-Silva R, 948
Fazzi GE, 71
Fecteau M-H, 87
Feely J, 1118
Feig DI, e4
Felder RA, 58, 799, 926
Feldman DL, 569
Feng Y-H, 419
Ferdinand KC, 508
Fernández JR, 1053, 1060
Ferrari AU, 1213
Ferrario CM, 333
Ferreira AJ, 937
Ferrer M, 107
Ferrero I, 1213
Ferri C, 398, e17, e22
Ferrières J, 151
Fiebeler A, 569
Field M, 562
Fischer MA, 273
Fisher NDL, 1316
Flack JM, 508
Floras JS, 1327
Flores LJF, 998
Flues K, 998
Fogari R, 1213
Fonseca V, 1309
Fontao MJ, 1053
Fontes MAP, 341
Forman JP, 500, 676
Fornage M, 1286
Forni LG, e13
Foryst-Ludwig A, 137
Franco OH, 280
Franke G, 130
Franklin SS, 221, 492
Frohlich ED, 182
Frusca T, 1270
Fu Q, e8
Fu Y, 144
Fujita M, 113
Fujita Y, 1046
Fukamizu A, 441
Fukushima K, 696
Fuller JH, 232
Fuller PJ, 1227
Funder JW, 643
Fyhrquist F, e6, 492

Gaillard V, 372
Galan P, 287
Galaz A, 1362
Gallagher PE, 333
Gamboa A, 355
Gammill HS, 1243
Garbers DL, 441
Garland EM, 1103
Garrelds IM, 569, 701
Garrett MR, e18
Garvin JL, 1175
Gatfield K, 93
Gattobigio R, 386
Gaudet D, 1280
Gavras H, 488
GEMINI Investigators, 1309
Giebing G, 591
Giet Mvd, 591
Gilbert RE, 471
Gillespie DG, 628
Glynn RJ, 273
Gnecchi M, 7
Gobom J, 591
Golbang AP, 295
Goldstein DS, 1333
Gomes da Silva AQ, 341
Gorzelniak K, 130
Gossard F, 1280
Gosselin H, 1219
Götz A, 766
Graiani G, 433
Grande JP, 772
Grandits GA, 217
Granger JP, 82, 921, 1022
Grassi D, 398, e17, e22
Grassi G, 321
Gratze P, 569
Greene T, 44
Griendling KK, 732
Grisk O, 463
Gu CC, 1294
Gualerzi M, 1321
Guarini P, 683
Guild S-J, 168
Guize L, 654
Gus M, e11
Gustafsson F, 660
Gustafsson J-Å, 1163
Gustavsson N, 591

Hadchouel J, 263
Haesler E, 162
Hagiwara T, 738
Hall JE, 326
Halverstadt D, 380
Hamad A, 295
Hamet P, 1280
Hammock BD, 975
Hamulyak K, 1236
Han JH, 1381
Han SH, 1086
Hanis CL, 751
Hansen TW, 660
Hara M, 1180
Harada M, 441
Harris PA, 1103
Hashimoto S, 58
Hayoz D, 162
He FJ, 66, 308
He Y, 1032
Heim TF, 406
Heireman S, 244
Hengstenberg C, 118, 766
Henning L, 591
Hense H-W, 766
Heo J, 555
Hercberg S, 287
Hermida RC, 960, 1053, 1060
Hermonat PL, 622
Herrera-Acosta J, e4
Hewison M, 787
Hildebrandt DA, 1194
Hildebrandt P, 660
Hiigers KF, 591
Hilton PJ, e9
Hinedi K, 156
Hinojosa-Laborde C, 1016
Hirano T, 738
Hirata A, 113
Hirooka Y, 360
Hlavacova A, 1154
Hoegler S, e15
Hollenberg NK, 1316
Holmer S, 118, 766
Holmes C, 1333
Hongo S, 738
Honoré J-C, 87
Hopfer U, 799, 926
Hori M, 113
Hori N, 360
Horiuchi J, 173
Horiuchi M, 577
Hsiung CA, 751
Hu FB, 645
Huang A, 607
Hubel CA, 1263
Hudson TJ, 1280
Hughes SV, 787
Huiquin Z, 533

Iacob M, 210
Ibsen H, 492, 660
Ichihara S, 719
Ide A, 577
Iigaya K, 349
Imig JD, 366, 562, 975
Inscho EW, 562
Irigoyen M-C, 998
Irwin ED, 1194
Ishizaka N, 1180
Ishizawa K, 1046
Ito H, 1046
Ito K, 360
Ito M, 577
Iwai M, 577
Iwase M, 719
Izawa H, 719
Izawa Y, 1046
Izzo JL Jr, 1111

Jackson EK, 628, 649
Jacob G, 355
Jacobs DR Jr, 38
Jalil JE, 1362
Jamerson KA, 508
Jank A, 1275
Jankowski J, 591
Jankowski V, 591
Janssen GMJ, 71
Jee SH, 393
Jensen G, 33
Jensen JS, 33
Jeunemaitre X, 263
Jeyabalan A, 745
Jiang L, 1103
Jin D, 1135
Joannides R, 210
Joe B, e18
Johnson FK, 29
Johnson RA, 29
Johnson RJ, e4, 1250
Johnston CI, 452
Jomphe M, 1280
Jordan J, 130
Jørgensen T, 660
Jose PA, 58, 799, 926
Joseph CN, 714
Judge S, 555
Junco G, 44
Juncos LA, 943

Kahn DF, 707
Kaldunski ML, 1280
Kaley G, 607
Kaminski NE, 986
Kaneko Y, 1327
Kanematsu Y, 1046
Kang D-H, e4
Kanome T, 738
Kaplan NM, 257
Karadogan S, 591
Karnik SS, 419
Karumanchi SA, 1077, 1250
Kasper SO, 333
Kass DA, 185
Katholi RE, 1309
Katki KA, 51
Katoh T, 58
Kats JPv, 701
Katsuya T, 144
Kaur K, 787
Kawai A, 349
Kawakami R, 441
Kazi F, 124
Kelly DJ, 452, 471
Kem DC, 380
Kettritz R, 130
Khalil RA, 249
Khan F, 1123
Kieval RS, 1194
Kim HC, 393
Kim I-H, 975
Kim SH, 1381
Kim SZ, 1381
Kimura S, 1039
Kimura Y, 360
Kingwell BA, 707, e14, 1129
Kintscher U, 137
Kinzenbaw DA, 1147
Kiriazis H, 412
Kirimura K, 1135
Kishimoto I, 441
Kitakaze M, 113
Kiyomoto H, 1039
Kjeldsen SE, e6, 492
Klar J, 1340
Klassen C, 124
Klaua S, 130
Klausen KP, 33
Kodate S, 738
Koehler M, 51
Koh KK, 1086
Kohno M, 1039
König IR, 766
Kopkan L, 1026
Kotchen TA, 1280
Kotsis V, e1
Koyama H, 113
Kraja AT, 751
Krakow A, 591

Kramer H, 38
Kramer HJ, 969
Kreuzberg U, 130
Krikov M, 137
Kroon AA, 1236
Krämer BK, 1340
Kuan P, 614
Kublickiene K, 1163
Kubo T, 1327
Kumagai H, 349
Kurtz A, 780, 1340
Kuster GM, 555
Kuwahara K, 441
Kuznetsova T, 527

Labonté J, 87
Laborie C, 1169
Lacourcière Y, 1111
Lagrasta C, 433
Lahera V, 107
Lain KY, 1263
Lakatta EG, 454
Lam C, 1077
LaMarca BBD, 82, 1022
Lambert R, 1300
Lanfrancone L, 433
Langley-Evans SC, e4, 1374
Lartaud I, 372
Lash J, 44
Lavandero S, 1362
Lehrach H, 591
Leiter LA, 406
Lekgabe ED, 412
Leocádio S, 1207
Lerman A, 772
Lerman LO, 772
Lesage J, 1169
Levine BD, e8
Levine DM, 194
Lewis CE, 1294
Li D, 622
Li N, 1294
Li Yan, 527
Li Yuhao, 441
Lieb W, 766
Lim K-H, 1077
Lin C, 1355
Lipkowitz M, 44
Lippi C, 398
Liu C-H, 295
Liu K, 38
Liu Y, 622
Lloyd RC, 221
Lloyd-Jones DM, 689
Lockshin MD, 194
Loewel H, 766
Lohmeier TE, 1194
Lojacono A, 1270
López JE, 960, 1053, 1060
Low A, e1
Löwel H, 118
Luchner A, 118
Lucini D, 1201
Luedtke S, 130
Luft FC, 130, 479, 569
Lukas MA, 1309
Luksha L, 1163
Lumbers ER, 452
Lüscher TF, 521
Lynch AI, 1286
Lyons DF, 380

Ma J, 313
MacGregor GA, 66, 308
MacLeod M, 1123
Madeddu P, 433
Maeda N, 1140
Maffeis M, 714
Magota K, 1140
Mahmud A, 1118
Majid DSA, 1026
Maki-Petaja K, 221
Malliani A, e8
Mallion J-M, 151
Malpas SC, 168
Mancia G, 321
Manganas L, 1219
Manolis AJ, 488
Manriquez MC, 943
Marcondes FK, 1010
Maric C, 475
Markandu ND, 66, 308
Markovic N, 1263
Marozio L, 1270
Márquez-Rodas I, 107
Martins AS, 1004
Martínez-González M, e21
Masuo K, 144
Matsuura T, 349
Matsuzaki G, 1180
Matthews KA, 689
Mayer B, 766
McClory S, 156
McCormack P, 156
McDonnell B, 221
McEniery CM, 221, 227
McGill JB, 1309
McKinnon W, e9
McMullen S, e4, 1374
Medley TL, 1129
Mehta JL, 622
Meiners S, 569
Meisel P, e17
Melista E, 488
Mello G, 1270
Melo LG, 7
Meloni M, 433
Ménard A, 1300
Ménard J, 452
Meng H, e18
Messerli F, 1309
Meyrelles SS, 932
Mi Z, 628
Michaud A, 1169
Michelini LC, 1004
Midorikawa S, 58
Mifflin SW, 1016
Migliaccio E, 433
Miki C, 1046
Milic M, 301
Miller ER III, 44
Miller MB, 1286, 1294
Mills PJ, 301
Minamino T, 113
Mires G, 1123
Mitchell GF, 1111
Miyata K, 1039, 1046
Miyatake A, 1039
Miyazaki A, 738
Miyazaki M, 1135
Moak J, 1333
Moeller E, 194
Mogi M, 577
Mogun H, 273
Mojón A, 1053, 1060
Monbaron D, 162
Montano N, e8
Montezano ACI, 1032
Monzani A, 321
Moore XL, 412
Moreira ED, 998
Morello F, 7
Mori I, 1180
Morris BJ, 1256
Morris M, 953
Moulopoulos SD, e3
Moura MJCS, 1010
Müller DN, 569
Mulvany MJ, 652
Murakami R, 1140
Muramatsu M, 1135
Murohara T, 719
Murthy M, 295
Mushin OP, 772
Muxfeldt E, 1207
Myoishi M, 113

Nagai R, 1180
Nagai Y, 1039
Nagasaka T, 719
Nagata K, 719
Najjar SS, 454
Nakagawa T, e4
Nakagawa Y, 441
Nakanishi M, 441
Nakano H, 696
Nakao K, 441
Nam CM, 393
Nano R, 1213
Naoe T, 719
Nathan S, 637
NHLBI Working Group on Future Directions in Hypertension Treatment Trials, 1
Natoli AK, 1129
Necozione S, 398
Ness RB, 1263
Neves LAA, 1097
Newman JW, 975
Nicholas JS, 982
Nichols WW, e14
Nishiyama A, 1039, 1046
Noda A, 719
Nogueira AR, 1207
Noll G, 521
North KE, 1294
Novarini A, 1321

Obata K, 719
Oberman A, 1286
Obermayer B, 1340
O'Brien E, 156, e11, e14
Ocaranza MP, 1362
O'Connor DT, 301
Ogai A, 113
Ogihara T, 144
Ohanian J, 93
Ohanian V, 93
Ohno M, 1180
Ojo A, 44
Okada K-i, 113
Okuda H, 113
Okumura K, 1140
Okumura M, 577
Olearczyk JJ, 975
Olivieri O, 683
Olsen MH, 492, 660
Onami T, 349
Onimaru H, 349
Onyimba CU, 787
Opočenský M, 969
Oppert J-M, 654
O'Rourke MF, 200, e6, e14, e15
Osanai T, 1140
O'Shaughnessy KM, 295
Oshima N, 349
Owens GK, 732

Pachori AS, 7
Padura IM, 433
Pagani M, 1201
Pagano PJ, 1355
Paget SA, 194
Palladini G, 1213
Pannier B, 654
Papademetriou V, 492
Parati G, 162, 1201, 1321
Parretti E, 1270
Pasqualetti P, 398
Pasternak RC, 689
Patel AS, 689
Patel P, 51
Patel SJ, 982
Paulini J, 998
Pausova Z, 1280
Pechnik S, 1333
Pedrazzini T, 426, 547
Peeters A, 280
Pelicci P, 433
Peotta VA, 932
Pepine CJ, 637
Perlini S, 1213
Perret S, 162
Persson PB, 1095
Peshock RM, 124
Peyrieux J-C, 151
Phillips JA III, 1103
Phillips RA, 1309
Pilz B, 569
Pizzi C, 1270
Pizzolo F, 683
Plante M, 87
Pollock DM, 366, 806, 975
Pollock JS, 562
Porcellati C, 386
Porta C, 714
Post W, 38
Poston L, 1163
Powers RW, 1263
Pratt JH, 481
Pries AR, 725
Proulx C, 1219
Province M, 751, 1286
Pérez A, 1362

Qasem A, 227
Quaini F, 433
Quertermous T, 751
Quinkler M, 787
Quon MJ, 1086

Rae GA, 87
Raggi P, 238
Rahman M, 1039
Rakugi H, 144
Ramchandra R, 168
Rana BK, 301
Rao A, 51
Rao DC, 751
Rao F, 301
Rapp JP, e18
Raskin P, 1309
Rasmussen S, 660
Rasmussen-Torvik LJ, 1294
Ratti C, 238
Reboldi G, 386
Redon J, 19
Reglin B, 725
Ren S, 419

Ren Y, 1175
Retallick C, 221
Rettig R, 463
Reudelhuber TL, 1261
Rhaleb N-E, 1355
Richards SM, 426
Riegger GAJ, 118
Righetti PG, 683
Ritz E, 1254
Rivière G, 1169
Roberts JM, 1243, 1263
Robertson D, 355, 1103
Robuschi M, 321
Rodríguez M, 1060
Rodriguez-Iturbe B, e4
Rodriguez-Porcel M, 772
Roman MJ, 194
Romero JC, 943
Rossi M, 714
Rossing MA, 1194
Roy J, 1300
Rude MK, 555
Rüdiger H, 1103
Ruidavets J-B, 151
Ruiz J, 162
Ruiz MCO, 943
Ruschitzka F, 521
Russo CJ, 488
Ryan JW, 452

Saad MF, 38
Sabaini G, 683
Safar ME, 151, 182, 200, 205, 287, e6
Sagara Y, 360
Sagnella GA, 308
Saha C, 481
Saito K, 1180
Saito Y, 441
Sakamoto Y-i, 738
Sakata K, 349
Sakima A, 333
Sakonjo H, 1135
Salaices M, 107
Saleem A, 1333
Salles G, 1207
Salmon JE, 194
Sam F, 555
Sammaritano L, 194
Samuel CS, 412
Sanada H, 58
Sanada S, 113
Sánchez-Villegas A, e21
Sandberg K, 21
Sanders MW, 71
Sankey SS, 1175
Santos RAS, 948
Saruta T, 349
Sasaki M, 58
Sasaki S, 1140
Sata M, 1180
Sawamura T, 622
Schalkwijk CG, 232
Scharling H, 33
Schiffrin EL, 267, 598, 1032
Schlüter H, 591
Schmitt M, 227
Schneeweiss S, 273
Schnermann J, 780
Schohn H, 372
Schoner W, e9, e13
Schork NJ, 301
Schram MT, 232
Schultheiss H-P, 1275
Schunkert H, 118, 766
Schupp M, 137
Schwartz GL, 758
Schwartz JE, 194
Schweda F, 780, 1340
Schönfelder G, 591
Scuteri A, 454, 689
Secomb TW, 725
Segerer F, 780
Segers P, 244, e15
Seguin-Devaux C, 372
Serdar DJ, 1194
Shagdarsuren E, 569
Shankar B-A, 194
Shaohua Y, 533
Shapiro JI, 477
Sharabi Y, 1333
Sharma AM, 130
Sharman JE, 221
Shibao C, 355
Shimada M, 1140
Shimokawa H, 360
Shroff SG, 745
Shyu K-G, 614
Sibai BM, 1252
Sigl M, 1340
Sika M, 44
Siragy HM, 584
Siwik DA, 555
Smid M, 1236
Smith DW, 301
Smyth LA, 100
Snitsarev V, 540
Soler R, 1053
Sousa dos Santos RA, 341
Spaak J, 1327
Spieker L, 521
Spiekerman A, 51
Spillmann F, 433
Sprang C, 137
Spronk HMH, 1236
Stabouli S, e1
Staessen JA, 156, 255, 386, 527, e11
Stampfer MJ, 500, 676
Stanton A, 156, e11
Stanton K, 1103
Stavro PM, 406
Stec DE, 326
Stehouwer CDA, 232
Stepan H, 1275
Stepp DW, 806
Stern JE, 1004
Stevanovic R, 1316
Stewart PM, 787
Stranges S, 1186
Strawn WB, 1093
Struijker-Boudier H, 527
Su Y, 412
Sudano I, 521
Sugaya T, 349
Suguro T, 738
Suh I, 393
Sullivan E, 82
Sun D, 607
Sun G-P, 1039
Sun Y, 1355
Sunagawa K, 360
Supowit SC, 51
Sutton-Tyrrell K, 689
Swift PA, 308

Takahashi N, 441
Takai S, 1135
Takeshita A, 360
Tallam LS, 326
Tamaki T, 1046
Tan F, 1368
Tana F, 321
Tanaka M, 1140
Tanimoto K, 441
Tanno AP, 1010
Taylor WR, 732
ten Cate H, 1236
Textor SC, 772
Thadhani RI, 1250
Thearle DJ, 1129
Thiemig A, 766
Thijs L, 156, 255, 386, 527
Thomas F, 654
Thomas WG, 1347
Thuillez C, 210
Tölle M, 591
Thöne-Reineke C, 137
Tomita H, 1140
Tommasi EN, 333
Tostes RC, 1032
Toto RD, 44
Toumanidis S, e1
Touyz RM, 1032
Tozzi R, 1213
Tracy R, 38
Tremblay J, 1280
Trevano FQ, 321
Trevisan M, 1186
Tsuchiya K, 1046
Tsuda K, e23
Tsukamoto O, 113
Tsukimori K, 696
Tsushima A, 696
Tuck ML, 144
Turner ST, 751, 758, 1286

Unger T, 137
Usami S, 441
Usui K, 1327

Valeri L, 398
Van Bortel LM, 244, e15
Vaněčková I, 969
van Gilst WH, e20
VanCamp G, 1169
Vanholder R, 244, 591, e15
Van't Hoff W, 295
Vasquez EC, 932
Vaughan DE, 313
Verbeke F, 244, e15
Verdecchia P, 25, 386
Verdonck P, 244, e15
Vernerová Z, 969
Victor RG, 124
Vieau D, 1169
Villeneuve L, 1219
Vita JA, 707
Vries Rd, 701
Vuksan V, 406

Wachtell K, 492, 660
Wagner MA, 481
Wakabayashi S, 173
Wakeno M, 113
Wallace S, 221
Wallukat G, 1275
Walther T, 1275
Wang B-W, 614
Wang DH, 986, 992
Wang F, 1355
Wang H, 1175
Wang MH, 366
Wang PS, 273
Wang Q, 426, 547
Wang Y, 986, 992
Wang Z, 799
Warnock DG, 469
Watanabe Takaho, 975
Watanabe Takuya, 738
Watanabe Tsuyoshi, 58
Waterhouse B, 1309
Watts SW, 1100, 1154
Webb J, 591
Webb RL, 569
Weder A, 751, 1286
Wehling M, 27
Weinberger MH, 31, 269
Weir MR, 508
Wellner M, 569
Wenzl J, 380
Whiteis CA, 540
Wilk JB, 1294
Wilkening B, 44
Wilkinson IB, 221, 227
Wilkinson-Berka JL, 452, 471
Willett D, 124
Willett WC, 676
Williams GH, 265
Williams JM, 366
Williams SM, 1103
Willis MA, 326
Winker R, 1103
Woo M, 406
Wright JT Jr, 1309

Xavier FE, 107
Xie J, 622
Xu C, 419
Xu H, 1154
Xu Jiang, 1355
Xu Jinglan, 719
Xu Q, 412
Xu Y, 76
Xue C, 584

Yan C, 607
Yang JJ, 1355
Yang X-P, 1355
Yasmin, 221
Yasuno S, 441
Yatabe J, 58
Yogi A, 1032
Yokota M, 719
Yoneda M, 58
Yoshizumi M, 1039, 1046
Young MJ, 1227
Yu C, 313
Yu E, 1327
Yu X, 380
Yuan K, 1381

Zagato L, 527
Zaharis CZ, 975
Zakopoulos N, e1, e3
Zelenkofske S, 508
Zeng C, 799, 926
Zhang S, 562
Zhang Y, 732
Zhang Z, 562
Zhao C, 412
Zhao Q, 481
Zhao X, 366, 562, 975
Zhou L, 419
Zhu Xiangyang, 772
Zhu Xiaofeng, 751
Zhu Y, 992
Zidek W, 591
Ziegler MG, 301
Zureik M, 287

Subject Index

Volume 46, July–December 2005

A

Adenosine
- Adenosine Inhibits PDGF-Induced Growth of Human Glomerular Mesangial Cells Via A_{2B} Receptors, 628
- Adenosine-Stimulated Atrial Natriuretic Peptide Release Through A_1 Receptor Subtype, 1381

Adipose tissue
- Adipose Tissue Metabolism and CD11b Expression on Monocytes in Obese Hypertensives, 130
- Beneficial Vascular and Metabolic Effects of Peroxisome Proliferator-Activated Receptor-α Activators, 1086
- Body Fat Distribution, Liver Enzymes, and Risk of Hypertension: Evidence From the Western New York Study, 1186
- PPARγ-Activating Angiotensin Type-1 Receptor Blockers Induce Adiponectin, 137

Adrenergic receptor agonists
- Gender-Specific Alteration of Adrenergic Responses in Small Femoral Arteries From Estrogen Receptor-β Knockout Mice, 1163

Age
- Interactive Effects of Common β_2-Adrenoceptor Haplotypes and Age on Susceptibility to Hypertension and Receptor Function, 301

Aging
- Advanced Glycation End Products Are Associated With Pulse Pressure in Type 1 Diabetes: The EURODIAB Prospective Complications Study, 232
- Angiotensin II-Mediated Phenotypic Cardiomyocyte Remodeling Leads to Age-Dependent Cardiac Dysfunction and Failure, 426
- Arterial Aging: Is It an Immutable Cardiovascular Risk Factor?, 454
- Chronic Tumor Necrosis Factor-α Inhibition Enhances NO Modulation of Vascular Function in Estrogen-Deficient Rats, 76
- Impaired Heart Rate Baroreflex in Older Rats: Role of Endogenous Angiotensin-(1-7) at the Nucleus Tractus Solitarii, 333

Albuminuria
- Decrease in Urinary Albumin Excretion Associated With the Normalization of Nocturnal Blood Pressure in Hypertensive Subjects, 960
- N-Terminal Pro Brain Natriuretic Peptide Is Inversely Related to Metabolic Cardiovascular Risk Factors and the Metabolic Syndrome, 660
- New Definition of Microalbuminuria in Hypertensive Subjects: Association With Incident Coronary Heart Disease and Death, 33
- An Orally Active Epoxide Hydrolase Inhibitor Lowers Blood Pressure and Provides Renal Protection in Salt-Sensitive Hypertension, 975

Aldosterone
- Aldosterone Nongenomically Worsens Ischemia Via Protein Kinase C-Dependent Pathways in Hypoperfused Canine Hearts, 113
- Aldosterone Stimulates Collagen Gene Expression and Synthesis Via Activation of ERK1/2 in Rat Renal Fibroblasts, 1039
- Aldosterone Stimulates Matrix Metalloproteinases and Reactive Oxygen Species in Adult Rat Ventricular Cardiomyocytes, 555
- Aldosterone Stimulates Vascular Smooth Muscle Cell Proliferation Via Big Mitogen-Activated Protein Kinase 1 Activation, 1046
- c-Src-Dependent Nongenomic Signaling Responses to Aldosterone Are Increased in Vascular Myocytes From Spontaneously Hypertensive Rats, 1032
- Differing Effects of Mineralocorticoid Receptor-Dependent and -Independent Potassium-Sparing Diuretics on Fibrinolytic Balance, 313
- Eplerenone Inhibits Atherosclerosis in Nonhuman Primates, 1135
- Improvement in Blood Pressure With Inhibition of the Epithelial Sodium Channel in Blacks With Hypertension, 481
- Local Renal Aldosterone System and Its Regulation by Salt, Diabetes, and Angiotensin II Type 1 Receptor, 584
- Low-Renin Hypertension With Relative Aldosterone Excess Is Associated With Impaired NO-Mediated Vasodilation, 707
- Mechanisms of Mineralocorticoid Action, 1227
- Nongenomic Effects of Aldosterone in the Human Heart: Interaction With Angiotensin II, 701
- Participation of Prostacyclin in Endothelial Dysfunction Induced by Aldosterone in Normotensive and Hypertensive Rats, 107
- Urinary Prostasin: A Candidate Marker of Epithelial Sodium Channel Activation in Humans, 683

Amino acid
- Inhibition of Rho-Kinase in the Nucleus Tractus Solitarius Enhances Glutamate Sensitivity in Rats, 360

Angiogenesis
- Circulating Angiogenic Factors in the Pathogenesis and Prediction of Preeclampsia, 1077

Angiotensin
- Blockade of Endogenous Angiotensin-(1-7) in the Hypothalamic Paraventricular Nucleus Reduces Renal Sympathetic Tone, 341
- Eplerenone Inhibits Atherosclerosis in Nonhuman Primates, 1135
- Hydrolysis of Angiotensin Peptides by Human Angiotensin I-Converting Enzyme and the Resensitization of B_2 Kinin Receptors, 1368
- Impaired Heart Rate Baroreflex in Older Rats: Role of Endogenous Angiotensin-(1-7) at the Nucleus Tractus Solitarii, 333
- Local Renal Aldosterone System and Its Regulation by Salt, Diabetes, and Angiotensin II Type 1 Receptor, 584
- Nongenomic Effects of Aldosterone in the Human Heart: Interaction With Angiotensin II, 701
- Novel Mass Spectrometric Methods for Evaluation of Plasma Angiotensin Converting Enzyme 1 and Renin Activity, 953
- Renin-Dependent Hypertension Caused by Nonfocal Stenotic Aberrant Renal Arteries: Proof of a New Syndrome, 380
- Short-Term Angiotensin(1-7) Receptor Mas Stimulation Improves Endothelial Function in Normotensive Rats, 948

Angiotensin antagonist
- Blockade of Endogenous Angiotensin-(1-7) in the Hypothalamic Paraventricular Nucleus Reduces Renal Sympathetic Tone, 341
- Electrophysiological Properties of Rostral Ventrolateral Medulla Neurons in Angiotensin II 1a Receptor Knockout Mice, 349
- Evidence for a Functional Interaction of the Angiotensin-(1-7) Receptor Mas With AT_1 and AT_2 Receptors in the Mouse Heart, 937
- PPARγ-Activating Angiotensin Type-1 Receptor Blockers Induce Adiponectin, 137

Angiotensin converting enzyme
- Blood Pressure Control, Drug Therapy, and Kidney Disease, 44
- Changes in Aortic Stiffness and Augmentation Index After Acute Converting Enzyme or Vasopeptidase Inhibition, 1111

Angiotensin II
- Altered AT_1 Receptor Regulation of ETB Receptors in Renal Proximal Tubule Cells of Spontaneously Hypertensive Rats, 926
- Angiotensin II Type 1 Receptor Agonistic Antibodies Reflect Fundamental Alterations in the Uteroplacental Vasculature, 1275
- Angiotensin-Converting Enzyme 2 (ACE2) and ACE Activities Display Tissue-Specific Sensitivity to Undernutrition-Programmed Hypertension in the Adult Rat, 1169
- Arterial Aging: Is It an Immutable Cardiovascular Risk Factor?, 454
- Body Mass Index and Angiotensin-Dependent Control of the Renal Circulation in Healthy Humans, 1316
- Detection of Angiotensin II in Supernatants of Stimulated Mononuclear Leukocytes by Matrix-Assisted Laser Desorption Ionization Time-of-Flight/Time-of-Flight Mass Analysis, 591
- Differing Effects of Mineralocorticoid Receptor-Dependent and -Independent Potassium-Sparing Diuretics on Fibrinolytic Balance, 313
- Effects of Captopril on the Renin Angiotensin System, Oxidative Stress, and Endothelin in Normal and Hypertensive Rats, 943
- Electrophysiological Properties of Rostral Ventrolateral Medulla Neurons in Angiotensin II 1a Receptor Knockout Mice, 349
- Genetic Deletion of the $p66^{Shc}$ Adaptor Protein Protects From Angiotensin II-Induced Myocardial Damage, 433
- Lipid Accumulation and Transforming Growth Factor-β Upregulation in the Kidneys of Rats Administered Angiotensin II, 1180
- Oxidative Stress Mediates Angiotensin II-Dependent Stimulation of Sympathetic Nerve Activity, 533

Regulation of Discoidin Domain Receptor 2 by Cyclic Mechanical Stretch in Cultured Rat Vascular Smooth Muscle Cells, 614
Relaxin Increases Cardiac Output and Reduces Systemic Arterial Load in Hypertensive Rats, 745
Sex Difference in Vascular Injury and the Vasoprotective Effect of Valsartan Are Related to Differential AT_2 Receptor Expression, 577
The Angiotensin II Type 2 Receptor Causes Constitutive Growth of Cardiomyocytes and Does Not Antagonize Angiotensin II Type 1 Receptor-Mediated Hypertrophy, 1347
Unconventional Homologous Internalization of the Angiotensin II Type-1 Receptor Induced by G-Protein-Independent Signals, 419
Vascular Hypertrophy in Angiotensin II-Induced Hypertension Is Mediated by Vascular Smooth Muscle Cell-Derived H_2O_2, 732

Angiotensin-converting enzyme
Angiotensin-Converting Enzyme 2 (ACE2) and ACE Activities Display Tissue-Specific Sensitivity to Undernutrition-Programmed Hypertension in the Adult Rat, 1169
Hydrolysis of Angiotensin Peptides by Human Angiotensin I-Converting Enzyme and the Resensitization of B_2 Kinin Receptors, 1368
Increased Aortic NADPH Oxidase Activity in Rats With Genetically High Angiotensin-Converting Enzyme Levels, 1362
Novel Mass Spectrometric Methods for Evaluation of Plasma Angiotensin Converting Enzyme 1 and Renin Activity, 953

Angiotensinogen
A Population Association Study of Angiotensinogen Polymorphisms and Haplotypes With Left Ventricular Phenotypes, 1294

Antibodies
Angiotensin II Type 1 Receptor Agonistic Antibodies Reflect Fundamental Alterations in the Uteroplacental Vasculature, 1275

Antihypertensive agents
Effects of Noncardiovascular Comorbidities on Antihypertensive Use in Elderly Hypertensives, 273
Ethnic Variation in Hypertension Among Premenopausal and Perimenopausal Women: Study of Women's Health Across the Nation, 689

Antihypertensive therapy
Angiotensin-Converting Enzyme Inhibitors and Calcium Channel Blockers for Coronary Heart Disease and Stroke Prevention, 386
A Noninferiority Comparison of Valsartan/Hydrochlorothiazide Combination Versus Amlodipine in Black Hypertensives, 508

Antioxidants
Activation of Vascular BK Channel by Tempol in DOCA-Salt Hypertensive Rats, 1154
Vascular Hypertrophy in Angiotensin II-Induced Hypertension Is Mediated by Vascular Smooth Muscle Cell-Derived H_2O_2, 732

Aorta
Changes in Aortic Stiffness and Augmentation Index After Acute Converting Enzyme or Vasopeptidase Inhibition, 1111
Vascular Sensitivity to Phenylephrine in Rats Submitted to Anaerobic Training and Nandrolone Treatment, 1010

Apolipoproteins
Evaluation of Vascular Function in Apolipoprotein E Knockout Mice With Angiotensin-Dependent Renovascular Hypertension, 932

Apoptosis
cMet and Fas Receptor Interaction Inhibits Death-Inducing Signaling Complex Formation in Endothelial Cells, 100
Genetic Deletion of the $p66^{Shc}$ Adaptor Protein Protects From Angiotensin II-Induced Myocardial Damage, 433

Arterial compliance
Arterial Elasticity as Part of a Comprehensive Assessment of Cardiovascular Risk and Drug Treatment, 217
Relaxin Increases Cardiac Output and Reduces Systemic Arterial Load in Hypertensive Rats, 745

Arterial pressure
Arterial Stiffness in Chronic Inflammatory Diseases, 194
Endothelin-1 (1-31) Is an Intermediate in the Production of Endothelin-1 After Big Endothelin-1 Administration In Vivo, 87
Influence of Prolonged Baroreflex Activation on Arterial Pressure in Angiotensin Hypertension, 1194
Melanocortin-4 Receptor-Deficient Mice Are Not Hypertensive or Salt-Sensitive Despite Obesity, Hyperinsulinemia, and Hyperleptinemia, 326
Noninvasive Assessment of Local Pulse Pressure: Importance of Brachial-to-Radial Pressure Amplification, 244
Relationship Between Aortic Stiffening and Microvascular Disease in Brain and Kidney: Cause and Logic of Therapy, 200

Arteries
Arterial Aging: Is It an Immutable Cardiovascular Risk Factor?, 454
Arterial Stiffness Is Related to Systemic Inflammation in Essential Hypertension, 1118
Basal NO Locally Modulates Human Iliac Artery Function In Vivo, 227
Calcium-Activated Potassium Channels and NO Regulate Human Peripheral Conduit Artery Mechanics, 210
Gender-Specific Alteration of Adrenergic Responses in Small Femoral Arteries From Estrogen Receptor-β Knockout Mice, 1163
Renin-Dependent Hypertension Caused by Nonfocal Stenotic Aberrant Renal Arteries: Proof of a New Syndrome, 380
Ventricular Arterial Stiffening: Integrating the Pathophysiology, 185

Arteriosclerosis
Advanced Glycation End Products Are Associated With Pulse Pressure in Type 1 Diabetes: The EURODIAB Prospective Complications Study, 232
Arterial Aging: Is It an Immutable Cardiovascular Risk Factor?, 454
Arterial Stiffness in Chronic Inflammatory Diseases, 194
Pioglitazone Improves Aortic Wall Elasticity in a Rat Model of Elastocalcinotic Arteriosclerosis, 372

Atherosclerosis
Arterial Stiffness Is Related to Systemic Inflammation in Essential Hypertension, 1118
Eplerenone Inhibits Atherosclerosis in Nonhuman Primates, 1135
Evaluation of Vascular Function in Apolipoprotein E Knockout Mice With Angiotensin-Dependent Renovascular Hypertension, 932
Human Urotensin II Accelerates Foam Cell Formation in Human Monocyte-Derived Macrophages, 738
Progression of Coronary Artery Calcium and Occurrence of Myocardial Infarction in Patients With and Without Diabetes Mellitus, 238

Autonomic nervous system
Effects of Salt Sensitivity on Neural Cardiovascular Regulation in Essential Hypertension, 1321
Hypertension and Exercise Training Differentially Affect Oxytocin and Oxytocin Receptor Expression in the Brain, 1004
Impact of Chronic Psychosocial Stress on Autonomic Cardiovascular Regulation in Otherwise Healthy Subjects, 1201
Inhibition of Rho-Kinase in the Nucleus Tractus Solitarius Enhances Glutamate Sensitivity in Rats, 360

Autoregulation
Impaired Ca^{2+} Signaling Attenuates P2X Receptor-Mediated Vasoconstriction of Afferent Arterioles in Angiotensin II Hypertension, 562

B

Baroreceptors
Baroreceptor Denervation Prevents Sympathoinhibition During Angiotensin II-Induced Hypertension, 168
Impaired Heart Rate Baroreflex in Older Rats: Role of Endogenous Angiotensin-(1-7) at the Nucleus Tractus Solitarii, 333
Slow Breathing Improves Arterial Baroreflex Sensitivity and Decreases Blood Pressure in Essential Hypertension, 714

Baroreflex
Activation of 5-Hydroxytryptamine 1A Receptors Suppresses the Cardiovascular Response Evoked From the Dorsomedial Hypothalamic Nucleus, 173
Coffee Blunts Mental Stress-Induced Blood Pressure Increase in Habitual but Not in Nonhabitual Coffee Drinkers, 521
Diabetic Neuropathy Is a More Important Determinant of Baroreflex Sensitivity Than Carotid Elasticity in Type 2 Diabetes, 162
Effects of Salt Sensitivity on Neural Cardiovascular Regulation in Essential Hypertension, 1321
Exercise Training Improves Baroreflex Sensitivity Associated With Oxidative Stress Reduction in Ovariectomized Rats, 998
Impact of Chronic Psychosocial Stress on Autonomic Cardiovascular Regulation in Otherwise Healthy Subjects, 1201
Influence of Prolonged Barcreflex Activation on Arterial Pressure in Angiotensin Hypertension, 1194

Neurocirculatory Abnormalities in Parkinson Disease With Orthostatic Hypotension: Independence From Levodopa Treatment, 1333
Neuronal Prostacyclin Is an Autocrine Regulator of Arterial Baroreceptor Activity, 540
Obstructive Sleep Apnea-Dependent and -Independent Adrenergic Activation in Obesity, 321

Behavior
Impact of Chronic Psychosocial Stress on Autonomic Cardiovascular Regulation in Otherwise Healthy Subjects, 1201

Blacks
Modest Salt Reduction Reduces Blood Pressure and Urine Protein Excretion in Black Hypertensives: A Randomized Control Trial, 308
A Noninferiority Comparison of Valsartan/Hydrochlorothiazide Combination Versus Amlodipine in Black Hypertensives, 508

Blood flow
Low-Renin Hypertension With Relative Aldosterone Excess Is Associated With Impaired NO-Mediated Vasodilation, 707
Tyramine-Induced Vasodilation Mediated by Dopamine Contamination: A Paradox Resolved, 355

Blood pressure
Androgen Receptor-Mediated Regulation of the α-Subunit of the Epithelial Sodium Channel in Human Kidney, 787
Association of NEDD4L Ubiquitin Ligase With Essential Hypertension, 488
Blood Pressure in Adulthood and Life Expectancy With Cardiovascular Disease in Men and Women: Life Course Analysis, 280
Body Fat Distribution, Liver Enzymes, and Risk of Hypertension: Evidence From the Western New York Study, 1186
Cardiovascular Mortality in Overweight Subjects: The Key Role of Associated Risk Factors, 654
Comparison of Blood Pressure-Associated Risk of Intracerebral Hemorrhage and Subarachnoid Hemorrhage: Korea Medical Insurance Corporation Study, 393
Effects of Endurance Training on Blood Pressure, Blood Pressure-Regulating Mechanisms, and Cardiovascular Risk Factors, 667
Effects of Salt Sensitivity on Neural Cardiovascular Regulation in Essential Hypertension, 1321
Ethnic Variation in Hypertension Among Premenopausal and Perimenopausal Women: Study of Women's Health Across the Nation, 689
Genome-Wide Linkage Analysis for Loci Affecting Pulse Pressure: The Family Blood Pressure Program, 1286
Inhibition of Rho-Kinase in the Nucleus Tractus Solitarius Enhances Glutamate Sensitivity in Rats, 360
Modest Salt Reduction Lowers Blood Pressure in Isolated Systolic Hypertension and Combined Hypertension, 66
Modest Salt Reduction Reduces Blood Pressure and Urine Protein Excretion in Black Hypertensives: A Randomized Control Trial, 308
Noninvasive Assessment of Local Pulse Pressure: Importance of Brachial-to-Radial Pressure Amplification, 244
North American Ginseng Exerts a Neutral Effect on Blood Pressure in Individuals With Hypertension, 406
Peroxisome Proliferator-Activated Receptor-α Activation Reduces Salt-Dependent Hypertension During Chronic Endothelin B Receptor Blockade, 366
The Prothrombotic Paradox of Hypertension: Role of the Renin-Angiotensin and Kallikrein-Kinin Systems, 1236
Role of Endothelin in Mediating Tumor Necrosis Factor-Induced Hypertension in Pregnant Rats, 82
Sex Differences in Blood Pressure Response to Intermittent Hypoxia in Rats, 1016
Slow Breathing Improves Arterial Baroreflex Sensitivity and Decreases Blood Pressure in Essential Hypertension, 714
Superiority of Ambulatory Over Clinic Blood Pressure Measurement in Predicting Mortality: The Dublin Outcome Study, 156
Two Major QTLs and Several Others Relate to Factors of Metabolic Syndrome in the Family Blood Pressure Program, 751
VR1-Mediated Depressor Effects During High-Salt Intake: Role of Anandamide, 986
WNK1 Kinase Polymorphism and Blood Pressure Response to a Thiazide Diuretic, 758

Blood pressure determination
Noninvasive Assessment of Local Pulse Pressure: Importance of Brachial-to-Radial Pressure Amplification, 244

Blood pressure monitoring
Coffee Blunts Mental Stress-Induced Blood Pressure Increase in Habitual but Not in Nonhabitual Coffee Drinkers, 521

Blood pressure monitoring, ambulatory
Decrease in Urinary Albumin Excretion Associated With the Normalization of Nocturnal Blood Pressure in Hypertensive Subjects, 960
Differing Administration Time-Dependent Effects of Aspirin on Blood Pressure in Dipper and Non-Dipper Hypertensives, 1060
Effects of Time of Day of Treatment on Ambulatory Blood Pressure Pattern of Patients With Resistant Hypertension, 1053
Superiority of Ambulatory Over Clinic Blood Pressure Measurement in Predicting Mortality: The Dublin Outcome Study, 156

Body mass index
Body Mass Index and Angiotensin-Dependent Control of the Renal Circulation in Healthy Humans, 1316

Bradykinin
Hydrolysis of Angiotensin Peptides by Human Angiotensin I-Converting Enzyme and the Resensitization of B_2 Kinin Receptors, 1368

Brain
Electrophysiological Properties of Rostral Ventrolateral Medulla Neurons in Angiotensin II 1a Receptor Knockout Mice, 349

C

Caffeine
Coffee Blunts Mental Stress-Induced Blood Pressure Increase in Habitual but Not in Nonhabitual Coffee Drinkers, 521

Calcitonin gene-related peptide
Role of Calcitonin Gene-Related Peptide in Hypertension-Induced Renal Damage, 51

Calcium
Calcium Inhibits Renin Gene Expression by Transcriptional and Posttranscriptional Mechanisms, 1340
Impaired Ca^{2+} Signaling Attenuates P2X Receptor-Mediated Vasoconstriction of Afferent Arterioles in Angiotensin II Hypertension, 562
Pioglitazone Improves Aortic Wall Elasticity in a Rat Model of Elastocalcinotic Arteriosclerosis, 372
Progression of Coronary Artery Calcium and Occurrence of Myocardial Infarction in Patients With and Without Diabetes Mellitus, 238
Sex Hormones as Potential Modulators of Vascular Function in Hypertension, 249

Calcium antagonists
Calcium Antagonists: Effects on Cardio-Renal Risk in Hypertensive Patients, 637

Calcium channel blockers
Blood Pressure Control, Drug Therapy, and Kidney Disease, 44

Captopril
Effects of Captopril on the Renin Angiotensin System, Oxidative Stress, and Endothelin in Normal and Hypertensive Rats, 943
Novel Mass Spectrometric Methods for Evaluation of Plasma Angiotensin Converting Enzyme I and Renin Activity, 953

Cardiac function
Angiotensin II-Mediated Phenotypic Cardiomyocyte Remodeling Leads to Age-Dependent Cardiac Dysfunction and Failure, 426
Evidence for a Functional Interaction of the Angiotensin-(1-7) Receptor Mas With AT_1 and AT_2 Receptors in the Mouse Heart, 937
Lack of Inducible NO Synthase Reduces Oxidative Stress and Enhances Cardiac Response to Isoproterenol in Mice With Deoxycorticosterone Acetate-Salt Hypertension, 1355

Cardiac output
Relaxin Increases Cardiac Output and Reduces Systemic Arterial Load in Hypertensive Rats, 745

Cardiovascular diseases
Arterial Aging: Is It an Immutable Cardiovascular Risk Factor?, 454
Beneficial Vascular and Metabolic Effects of Peroxisome Proliferator-Activated Receptor-α Activators, 1086
Blood Pressure in Adulthood and Life Expectancy With Cardiovascular Disease in Men and Women: Life Course Analysis, 280

Superiority of Ambulatory Over Clinic Blood Pressure Measurement in Predicting Mortality: The Dublin Outcome Study, 156
Urine Albumin Excretion and Subclinical Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis, 38

Carotid arteries
Arterial Elasticity as Part of a Comprehensive Assessment of Cardiovascular Risk and Drug Treatment, 217
Arterial Stiffness in Chronic Inflammatory Diseases, 194
Diabetic Neuropathy Is a More Important Determinant of Baroreflex Sensitivity Than Carotid Elasticity in Type 2 Diabetes, 162

Catecholamines
Tyramine-Induced Vasodilation Mediated by Dopamine Contamination: A Paradox Resolved, 355

Central nervous system
Electrophysiological Properties of Rostral Ventrolateral Medulla Neurons in Angiotensin II 1a Receptor Knockout Mice, 349
Inhibition of Rho-Kinase in the Nucleus Tractus Solitarius Enhances Glutamate Sensitivity in Rats, 360

Cerebrovascular disorders
Relationship Between Aortic Stiffening and Microvascular Disease in Brain and Kidney: Cause and Logic of Therapy, 200

Chemoreceptors
Activation of 5-Hydroxytryptamine 1A Receptors Suppresses the Cardiovascular Response Evoked From the Dorsomedial Hypothalamic Nucleus, 173
Obstructive Sleep Apnea-Dependent and -Independent Adrenergic Activation in Obesity, 321

Cholesterol
Human Urotensin II Accelerates Foam Cell Formation in Human Monocyte-Derived Macrophages, 738

Chromatography
Detection of Angiotensin II in Supernatants of Stimulated Mononuclear Leukocytes by Matrix-Assisted Laser Desorption Ionization Time-of-Flight/Time-of-Flight Mass Analysis, 591

Circadian rhythm
Decrease in Urinary Albumin Excretion Associated With the Normalization of Nocturnal Blood Pressure in Hypertensive Subjects, 960
Differing Administration Time-Dependent Effects of Aspirin on Blood Pressure in Dipper and Non-Dipper Hypertensives, 1060
Effects of Time of Day of Treatment on Ambulatory Blood Pressure Pattern of Patients With Resistant Hypertension, 1053

Clinical trials
C-Reactive Protein Elevation Predicts Pulse Pressure Reduction in Hypertensive Subjects, 151
Changes in Aortic Stiffness and Augmentation Index After Acute Converting Enzyme or Vasopeptidase Inhibition, 1111
Major Clinical Trials of Hypertension: What Should Be Done Next?, 1
North American Ginseng Exerts a Neutral Effect on Blood Pressure in Individuals With Hypertension, 406

Collagen
Adhesion Molecule Expression in Fibroblasts: Alteration in Fibroblast Biology After Transfection With LOX-1 Plasmids, 622
Aldosterone Stimulates Collagen Gene Expression and Synthesis Via Activation of ERK1/2 in Rat Renal Fibroblasts, 1039
c-Src-Dependent Nongenomic Signaling Responses to Aldosterone Are Increased in Vascular Myocytes From Spontaneously Hypertensive Rats, 1032
Combined Angiotensin II Type 1 and Type 2 Receptor Blockade on Vascular Remodeling and Matrix Metalloproteinases in Resistance Arteries, 598
Sex Steroids Modulate Human Aortic Smooth Muscle Cell Matrix Protein Deposition and Matrix Metalloproteinase Expression, 1129
Sympathectomy or Doxazosin, But Not Propranolol, Blunt Myocardial Interstitial Fibrosis in Pressure-Overload Hypertrophy, 1213

Compliance
Calcium-Activated Potassium Channels and NO Regulate Human Peripheral Conduit Artery Mechanics, 210
Ventricular Arterial Stiffening: Integrating the Pathophysiology, 185

Congenic combinations
Epistasis, Not Numbers, Regulates Functions of Clustered Dahl Rat Quantitative Trait Loci Applicable to Human Hypertension, 1300

Constriction
Contribution of 20-HETE to Augmented Myogenic Constriction in Coronary Arteries of Endothelial NO Synthase Knockout Mice, 607

Coronary artery disease
Contribution of 20-HETE to Augmented Myogenic Constriction in Coronary Arteries of Endothelial NO Synthase Knockout Mice, 607
Role of Natriuretic Peptide Receptor Guanylyl Cyclase-A in Myocardial Infarction Evaluated Using Genetically Engineered Mice, 441
Therapeutic Potential of Endothelial Progenitor Cells in Cardiovascular Diseases, 7

Coronary disease
New Definition of Microalbuminuria in Hypertensive Subjects: Association With Incident Coronary Heart Disease and Death, 33

Cyclin AMP
Adenosine-Stimulated Atrial Natriuretic Peptide Release Through A_1 Receptor Subtype, 1381

Cyclooxygenase
Glomerular Cytochrome P-450 and Cyclooxygenase Metabolites Regulate Efferent Arteriole Resistance, 1175

D

Denervation
Baroreceptor Denervation Prevents Sympathoinhibition During Angiotensin II-Induced Hypertension, 168

Deoxycorticosterone
Potassium Supplementation Reduces Cardiac and Renal Hypertrophy Independent of Blood Pressure in DOCA/Salt Mice, 547

Diabetes mellitus
Advanced Glycation End Products Are Associated With Pulse Pressure in Type 1 Diabetes: The EURODIAB Prospective Complications Study, 232
Arterial Compression of the Retro-Olivary Sulcus of the Ventrolateral Medulla in Essential Hypertension and Diabetes, 982
Diabetic Neuropathy Is a More Important Determinant of Baroreflex Sensitivity Than Carotid Elasticity in Type 2 Diabetes, 162
Differential Effects of β-Blockers on Albuminuria in Patients With Type 2 Diabetes, 1309
Local Renal Aldosterone System and Its Regulation by Salt, Diabetes, and Angiotensin II Type 1 Receptor, 584
New Definition of Microalbuminuria in Hypertensive Subjects: Association With Incident Coronary Heart Disease and Death, 33
PPARγ-Activating Angiotensin Type-1 Receptor Blockers Induce Adiponectin, 137
Progression of Coronary Artery Calcium and Occurrence of Myocardial Infarction in Patients With and Without Diabetes Mellitus, 238

Diet
Vitamin D Intake and Risk of Incident Hypertension: Results From Three Large Prospective Cohort Studies, 676

Diuresis
Diuresis and Natriuresis Caused by Activation of VR1-Positive Sensory Nerves in Renal Pelvis of Rats, 992

Diuretics
WNK1 Kinase Polymorphism and Blood Pressure Response to a Thiazide Diuretic, 758

Dopamine
Rat Strain Effects of AT_1 Receptor Activation on D_1 Dopamine Receptors in Immortalized Renal Proximal Tubule Cells, 799

Drug therapy
C-Reactive Protein Elevation Predicts Pulse Pressure Reduction in Hypertensive Subjects, 151
Early Endothelin-A Receptor Blockade Decreases Blood Pressure and Ameliorates End-Organ Damage in Homozygous Ren-2 Rats, 969
Major Clinical Trials of Hypertension: What Should Be Done Next?, 1

E

Echocardiography
Association of the T8590C Polymorphism of *CYP4A11* With Hypertension in the MONICA Augsburg Echocardiographic Substudy, 766

Combined QT Interval and Voltage Criteria Improve Left Ventricular Hypertrophy Detection in Resistant Hypertension, 1207
Editorial
Aldosterone Promotes Endothelial Dysfunction Via Prostacyclin Independent of Hypertension, 29
Baroreflexes in Hypertension: A Mystery Revisited, 1095
Cardiovascular Benefits of Aldosterone Receptor Antagonists: What About Potassium?, 265
The Continuing Saga of the AT2 Receptor: A Case of the Good, the Bad, and the Innocuous, 1261
Dissecting Hypertension by Obesity Identifies a Locus at 1p36, 1256
Does Blood Pressure Control Contribute to a More Successful Aging?, 261
Does the Angiotensin-Converting Enzyme (ACE)/ACE2 Balance Contribute to the Fate of Angiotensin Peptides in Programmed Hypertension?, 1097
Eplerenone Antagonizes Atherosclerosis, But What Is the Agonist?, 1093
Estrogen Regulation of Tumor Necrosis Factor-α: A Missing Link Between Menopause and Cardiovascular Risk in Women?, 21
Growing Old, Angiotensin II, Cardiac Hypertrophy, and Death: Making the Connection With p66^{Shc}, 259
How Can We Use the Results of Ambulatory Blood Pressure Monitoring in Clinical Practice?, 25
Hypertension During Pregnancy: A Disorder Begging for Pathophysiological Support, 1250
Improvement of Blood Pressure With Inhibition of the Epithelial Sodium Channel in Blacks With Hypertension, 469
Introduction to the Fifth International Workshop on Structure and Function of Large Arteries, 182
Left Ventricular Hypertrophy in Blacks and Whites: Different Genes or Different Exposure?, 23
Long Renal Arteries: Too Much of a Good Thing?, 269
The Many Possible Benefits of Natriuretic Peptides After Myocardial Infarction, 271
Matrix-Assisted Laser Desorption/Ionization, Time of Flight, and Angiotensin II, 479
Modeling the Vasculature: A Judicious Approach?, 652
More Evidence of Cardiorenal Protective Effects of Peroxisome Proliferator-Activated Receptor Activation, 267
Neurogenic Mechanisms and Salt Sensitivity, 1259
Nicorandil: The Drug That Keeps on Giving, 647
Noncardiovascular Illness as Barrier to Antihypertensive Treatment, 255
Overweight and Increased Cardiovascular Mortality: No French Paradox, 645
Potassium Depletion and Cardiac Hypertrophy: How Does It Work?, 477
Proceedings of the XVIth Scientific Meeting of the Inter-American Society of Hypertension, 921
Proteinuria: A Link to Understanding Changes in Vascular Compliance?, 473
Putting the Brakes on Renin Release: Role of the A_1 Receptor, 649
Rapid Effects of Aldosterone: Relevant in Cardiac Ischemia?, 27
Reduction of Microalbuminuria by β Blockers: Beyond Renin Angiotensin System Blockade, 1254
Relative Aldosterone Excess: Relative to What?, 643
Renin Inhibition: New Potential for an Old Therapeutic Target, 471
Salt Restriction in the Treatment of Isolated Systolic and Combined Hypertension: Is That Enough?, 31
Sex Differences in Cardiovascular Disease and Hypertension: Involvement of the Renin-Angiotensin System, 475
Thrombophilia and Severe Preeclampsia: Time to Screen and Treat in Future Pregnancies?, 1252
An Updated Meta-Analysis With a Few Surprises, 257
Urinary Albumin Excretion: Lowering the Threshold of Risk in Hypertension, 19
Vasoconstriction Caused by the ATP Synthase Subunit-Coupling Factor 6: A New Function for a Historical Enzyme, 1100
With-No-Lysine Kinases: The Discovery of a New Pathway in Hypertension Using Human Genetic Studies, 263
Elasticity
Advanced Glycation End Products Are Associated With Pulse Pressure in Type 1 Diabetes: The EURODIAB Prospective Complications Study, 232
Arterial Stiffness in Chronic Inflammatory Diseases, 194
Arterial Stiffness Is Related to Systemic Inflammation in Essential Hypertension, 1118
Calcium-Activated Potassium Channels and NO Regulate Human Peripheral Conduit Artery Mechanics, 210
Elderly
Effects of Noncardiovascular Comorbidities on Antihypertensive Use in Elderly Hypertensives, 273
Electrocardiography
Combined QT Interval and Voltage Criteria Improve Left Ventricular Hypertrophy Detection in Resistant Hypertension, 1207
Enalapril
Hydrolysis of Angiotensin Peptides by Human Angiotensin I-Converting Enzyme and the Resensitization of B_2 Kinin Receptors, 1368
Endothelial growth factors
Genetic Deletion of the p66^{Shc} Adaptor Protein Protects From Angiotensin II-Induced Myocardial Damage, 433
Nicorandil Promotes Myocardial Capillary and Arteriolar Growth in the Failing Heart of Dahl Salt-Sensitive Hypertensive Rats, 719
Endothelin
Altered AT_1 Receptor Regulation of ETB Receptors in Renal Proximal Tubule Cells of Spontaneously Hypertensive Rats, 926
Effects of Captopril on the Renin Angiotensin System, Oxidative Stress, and Endothelin in Normal and Hypertensive Rats, 943
Endothelin-1 (1-31) Is an Intermediate in the Production of Endothelin-1 After Big Endothelin-1 Administration In Vivo, 87
Hypertension Produced by Reductions in Uterine Perfusion in the Pregnant Rat: Role of Tumor Necrosis Factor-α, 1022
Improvement in Blood Pressure With Inhibition of the Epithelial Sodium Channel in Blacks With Hypertension, 481
Peroxisome Proliferator-Activated Receptor-α Activation Reduces Salt-Dependent Hypertension During Chronic Endothelin B Receptor Blockade, 366
Role of Endothelin in Mediating Tumor Necrosis Factor-Induced Hypertension in Pregnant Rats, 82
Endothelium
Arterial Stiffness Is Related to Systemic Inflammation in Essential Hypertension, 1118
Beneficial Vascular and Metabolic Effects of Peroxisome Proliferator-Activated Receptor-α Activators, 1086
cMet and Fas Receptor Interaction Inhibits Death-Inducing Signaling Complex Formation in Endothelial Cells, 100
Cocoa Reduces Blood Pressure and Insulin Resistance and Improves Endothelium-Dependent Vasodilation in Hypertensives, 398
Critical Role for CuZn-Superoxide Dismutase in Preventing Angiotensin II-Induced Endothelial Dysfunction, 1147
Eplerenone Inhibits Atherosclerosis in Nonhuman Primates, 1135
Gender-Specific Alteration of Adrenergic Responses in Small Femoral Arteries From Estrogen Receptor-β Knockout Mice, 1163
Generation of Reactive Oxygen Species by Neutrophils and Endothelial Cell Injury in Normal and Preeclamptic Pregnancies, 696
Low-Renin Hypertension With Relative Aldosterone Excess Is Associated With Impaired NO-Mediated Vasodilation, 707
Participation of Prostacyclin in Endothelial Dysfunction Induced by Aldosterone in Normotensive and Hypertensive Rats, 107
Preeclampsia: Recent Insights, 1243
Sex Hormones as Potential Modulators of Vascular Function in Hypertension, 249
Short-Term Angiotensin(1-7) Receptor Mas Stimulation Improves Endothelial Function in Normotensive Rats, 948
Vascular Sensitivity to Phenylephrine in Rats Submitted to Anaerobic Training and Nandrolone Treatment, 1010
Endothelium-derived factors
Calcium-Activated Potassium Channels and NO Regulate Human Peripheral Conduit Artery Mechanics, 210
Changes in Endothelial Function Precede the Clinical Disease in Women in Whom Preeclampsia Develops, 1123
An Orally Active Epoxide Hydrolase Inhibitor Lowers Blood Pressure and Provides Renal Protection in Salt-Sensitive Hypertension, 975
Epidemiology
Body Fat Distribution, Liver Enzymes, and Risk of Hypertension: Evidence From the Western New York Study, 1186

Cardiovascular Risk in Relation to α-Adducin *Gly460Trp* Polymorphism and Systolic Pressure: A Prospective Population Study, 527
Left Ventricular Hypertrophy Is More Prevalent in Blacks Than Whites in the General Population: The Dallas Heart Study, 124
Non-Narcotic Analgesic Dose and Risk of Incident Hypertension in US Women, 500
Parental Longevity and 7-Year Changes in Blood Pressures in Adult Offspring, 287
Vitamin D Intake and Risk of Incident Hypertension: Results From Three Large Prospective Cohort Studies, 676

Estrogen
Chronic Tumor Necrosis Factor-α Inhibition Enhances NO Modulation of Vascular Function in Estrogen-Deficient Rats, 76
Exercise Training Improves Baroreflex Sensitivity Associated With Oxidative Stress Reduction in Ovariectomized Rats, 998
Gender-Specific Alteration of Adrenergic Responses in Small Femoral Arteries From Estrogen Receptor-β Knockout Mice, 1163
Sex Hormones as Potential Modulators of Vascular Function in Hypertension, 249

Ethnic groups
Left Ventricular Hypertrophy Is More Prevalent in Blacks Than Whites in the General Population: The Dallas Heart Study, 124

Ethnicity
Ethnic Variation in Hypertension Among Premenopausal and Perimenopausal Women: Study of Women's Health Across the Nation, 689
Improvement in Blood Pressure With Inhibition of the Epithelial Sodium Channel in Blacks With Hypertension, 481

Exercise
Arterial Elasticity as Part of a Comprehensive Assessment of Cardiovascular Risk and Drug Treatment, 217
Effects of Endurance Training on Blood Pressure, Blood Pressure-Regulating Mechanisms, and Cardiovascular Risk Factors, 667
Exercise Training Improves Baroreflex Sensitivity Associated With Oxidative Stress Reduction in Ovariectomized Rats, 998
Hypertension and Exercise Training Differentially Affect Oxytocin and Oxytocin Receptor Expression in the Brain, 1004
Vascular Sensitivity to Phenylephrine in Rats Submitted to Anaerobic Training and Nandrolone Treatment, 1010

Experimental models
Early Endothelin-A Receptor Blockade Decreases Blood Pressure and Ameliorates End-Organ Damage in Homozygous Ren-2 Rats, 969

Extracellular matrix
Combined Angiotensin II Type 1 and Type 2 Receptor Blockade on Vascular Remodeling and Matrix Metalloproteinases in Resistance Arteries, 598
Pioglitazone Improves Aortic Wall Elasticity in a Rat Model of Elastocalcinotic Arteriosclerosis, 372
Relaxin Reverses Cardiac and Renal Fibrosis in Spontaneously Hypertensive Rats, 412
Sympathectomy or Doxazosin, But Not Propranolol, Blunt Myocardial Interstitial Fibrosis in Pressure-Overload Hypertrophy, 1213

F

Fibrinogen
Decrease in Urinary Albumin Excretion Associated With the Normalization of Nocturnal Blood Pressure in Hypertensive Subjects, 960

Fibroblast growth factor
Nicorandil Promotes Myocardial Capillary and Arteriolar Growth in the Failing Heart of Dahl Salt-Sensitive Hypertensive Rats, 719

Fibroblasts
Adhesion Molecule Expression in Fibroblasts: Alteration in Fibroblast Biology After Transfection With LOX-1 Plasmids, 622
Aldosterone Stimulates Collagen Gene Expression and Synthesis Via Activation of ERK1/2 in Rat Renal Fibroblasts, 1039

Fibrosis
Mechanisms of Mineralocorticoid Action, 1227
Pathways of Renal Fibrosis and Modulation of Matrix Turnover in Experimental Hypercholesterolemia, 772
Relaxin Reverses Cardiac and Renal Fibrosis in Spontaneously Hypertensive Rats, 412
Sympathectomy or Doxazosin, But Not Propranolol, Blunt Myocardial Interstitial Fibrosis in Pressure-Overload Hypertrophy, 1213

Fine QTL mapping
Epistasis, Not Numbers, Regulates Functions of Clustered Dahl Rat Quantitative Trait Loci Applicable to Human Hypertension, 1300

Free radicals
Generation of Reactive Oxygen Species by Neutrophils and Endothelial Cell Injury in Normal and Preeclamptic Pregnancies, 696

G

Gender
Androgen Receptor-Mediated Regulation of the α-Subunit of the Epithelial Sodium Channel in Human Kidney, 787
Gender-Specific Alteration of Adrenergic Responses in Small Femoral Arteries From Estrogen Receptor-β Knockout Mice, 1163
Sex-Specific Effects of Prenatal Low-Protein and Carbenoxolone Exposure on Renal Angiotensin Receptor Expression in Rats, 1374
Sex Steroids Modulate Human Aortic Smooth Muscle Cell Matrix Protein Deposition and Matrix Metalloproteinase Expression, 1129

Gene expression
Adipose Tissue Metabolism and CD11b Expression on Monocytes in Obese Hypertensives, 130
Association of NEDD4L Ubiquitin Ligase With Essential Hypertension, 488

Genes
Cardiovascular Risk in Relation to α-Adducin *Gly460Trp* Polymorphism and Systolic Pressure: A Prospective Population Study, 527

Genetics
WNK1 Kinase Polymorphism and Blood Pressure Response to a Thiazide Diuretic, 758
Adhesion Molecule Expression in Fibroblasts: Alteration in Fibroblast Biology After Transfection With LOX-1 Plasmids, 622
Association of the T8590C Polymorphism of *CYP4A11* With Hypertension in the MONICA Augsburg Echocardiographic Substudy, 766
Endothelial NO Synthase Polymorphisms and Postural Tachycardia Syndrome, 1103
Genome-Wide Linkage Analysis for Loci Affecting Pulse Pressure: The Family Blood Pressure Program, 1286
Genome-Wide Scan for Linkage to Obesity-Associated Hypertension in French Canadians, 1280
Hypertension and Exercise Training Differentially Affect Oxytocin and Oxytocin Receptor Expression in the Brain, 1004
Interactive Effects of Common β_2-Adrenoceptor Haplotypes and Age on Susceptibility to Hypertension and Receptor Function, 301
A Population Association Study of Angiotensinogen Polymorphisms and Haplotypes With Left Ventricular Phenotypes, 1294
Therapeutic Potential of Endothelial Progenitor Cells in Cardiovascular Diseases, 7

Glomerulosclerosis
Adenosine Inhibits PDGF-Induced Growth of Human Glomerular Mesangial Cells Via A_{2B} Receptors, 628

Glomerulus
Glomerular Cytochrome P-450 and Cyclooxygenase Metabolites Regulate Efferent Arteriole Resistance, 1175

Glycoside
North American Ginseng Exerts a Neutral Effect on Blood Pressure in Individuals With Hypertension, 406

G-protein
Unconventional Homologous Internalization of the Angiotensin II Type-1 Receptor Induced by G-Protein-Independent Signals, 419

H

Haplotypes
A Population Association Study of Angiotensinogen Polymorphisms and Haplotypes With Left Ventricular Phenotypes, 1294

Heart
Adenosine-Stimulated Atrial Natriuretic Peptide Release Through A_1 Receptor Subtype, 1381

Evidence for a Functional Interaction of the Angiotensin-(1-7) Receptor Mas With AT_1 and AT_2 Receptors in the Mouse Heart, 937
Resident Nestin$^+$ Neural-Like Cells and Fibers Are Detected in Normal and Damaged Rat Myocardium, 1219

Heart failure
Angiotensin II-Mediated Phenotypic Cardiomyocyte Remodeling Leads to Age-Dependent Cardiac Dysfunction and Failure, 426
Muscle Sympathetic Nerve Activity During Wakefulness in Heart Failure Patients With and Without Sleep Apnea, 1327
Nicorandil Promotes Myocardial Capillary and Arteriolar Growth in the Failing Heart of Dahl Salt-Sensitive Hypertensive Rats, 719
Potassium Supplementation Reduces Cardiac and Renal Hypertrophy Independent of Blood Pressure in DOCA/Salt Mice, 547
Sympathectomy or Doxazosin, But Not Propranolol, Blunt Myocardial Interstitial Fibrosis in Pressure-Overload Hypertrophy, 1213

Heart rate
Effects of Salt Sensitivity on Neural Cardiovascular Regulation in Essential Hypertension, 1321
Endothelial NO Synthase Polymorphisms and Postural Tachycardia Syndrome, 1103
Sex Differences in Blood Pressure Response to Intermittent Hypoxia in Rats, 1016
Slow Breathing Improves Arterial Baroreflex Sensitivity and Decreases Blood Pressure in Essential Hypertension, 714

Hemodynamics
Basal NO Locally Modulates Human Iliac Artery Function In Vivo, 227
Body Mass Index and Angiotensin-Dependent Control of the Renal Circulation in Healthy Humans, 1316
Endothelial NO Synthase Polymorphisms and Postural Tachycardia Syndrome, 1103
Increased Stroke Volume and Aortic Stiffness Contribute to Isolated Systolic Hypertension in Young Adults, 221
Remodeling of Blood Vessels: Responses of Diameter and Wall Thickness to Hemodynamic and Metabolic Stimuli, 725

Hormones
Relaxin Increases Cardiac Output and Reduces Systemic Arterial Load in Hypertensive Rats, 745

Human
Human Urotensin II Accelerates Foam Cell Formation in Human Monocyte-Derived Macrophages, 738
Non-Narcotic Analgesic Dose and Risk of Incident Hypertension in US Women, 500
Nongenomic Effects of Aldosterone in the Human Heart: Interaction With Angiotensin II, 701
Vitamin D Intake and Risk of Incident Hypertension: Results From Three Large Prospective Cohort Studies, 676

20-Hydroxyeicosatetraenoic acid
Glomerular Cytochrome P-450 and Cyclooxygenase Metabolites Regulate Efferent Arteriole Resistance, 1175

Hypercholesterolemia
Eplerenone Inhibits Atherosclerosis in Nonhuman Primates, 1135
Pathways of Renal Fibrosis and Modulation of Matrix Turnover in Experimental Hypercholesterolemia, 772

Hypertension
Activation of Vascular BK Channel by Tempol in DOCA-Salt Hypertensive Rats, 1154
Blood Pressure Control, Drug Therapy, and Kidney Disease, 44
Body Fat Distribution, Liver Enzymes, and Risk of Hypertension: Evidence From the Western New York Study, 1186
Calcium Antagonists: Effects on Cardio-Renal Risk in Hypertensive Patients, 637
Cardiovascular Morbidity and Mortality in Hypertensive Patients With Lower Versus Higher Risk: A LIFE Substudy, 492
Cardiovascular Mortality in Overweight Subjects: The Key Role of Associated Risk Factors, 654
Changes in Aortic Stiffness and Augmentation Index After Acute Converting Enzyme or Vasopeptidase Inhibition, 1111
Changes in Endothelial Function Precede the Clinical Disease in Women in Whom Preeclampsia Develops, 1123
Early Endothelin-A Receptor Blockade Decreases Blood Pressure and Ameliorates End-Organ Damage in Homozygous Ren-2 Rats, 969
Increased Stroke Volume and Aortic Stiffness Contribute to Isolated Systolic Hypertension in Young Adults, 221
Intracellular Signaling for Vasoconstrictor Coupling Factor 6: Novel Function of β-Subunit of ATP Synthase as Receptor, 1140
A Noninferiority Comparison of Valsartan/Hydrochlorothiazide Combination Versus Amlodipine in Black Hypertensives, 508
Novel Mass Spectrometric Methods for Evaluation of Plasma Angiotensin Converting Enzyme 1 and Renin Activity, 953
Parental Longevity and 7-Year Changes in Blood Pressures in Adult Offspring, 287
Participation of Prostacyclin in Endothelial Dysfunction Induced by Aldosterone in Normotensive and Hypertensive Rats, 107
Remodeling of Blood Vessels: Responses of Diameter and Wall Thickness to Hemodynamic and Metabolic Stimuli, 725
Role of Calcitonin Gene-Related Peptide in Hypertension-Induced Renal Damage, 51
Sex-Specific Effects of Prenatal Low-Protein and Carbenoxolone Exposure on Renal Angiotensin Receptor Expression in Rats, 1374
Slow Breathing Improves Arterial Baroreflex Sensitivity and Decreases Blood Pressure in Essential Hypertension, 714
Superiority of Ambulatory Over Clinic Blood Pressure Measurement in Predicting Mortality: The Dublin Outcome Study, 156
Superoxide Contributes to Development of Salt Sensitivity and Hypertension Induced by Nitric Oxide Deficiency, 1026
Urinary Prostasin: A Candidate Marker of Epithelial Sodium Channel Activation in Humans, 683

Hypertension, arterial
Arterial Stiffness Is Related to Systemic Inflammation in Essential Hypertension, 1118
Association of the T8590C Polymorphism of *CYP4A11* With Hypertension in the MONICA Augsburg Echocardiographic Substudy, 766
Combined QT Interval and Voltage Criteria Improve Left Ventricular Hypertrophy Detection in Resistant Hypertension, 1207
Differential Effects of β-Blockers on Albuminuria in Patients With Type 2 Diabetes, 1309
Impact of Chronic Psychosocial Stress on Autonomic Cardiovascular Regulation in Otherwise Healthy Subjects, 1201
New Definition of Microalbuminuria in Hypertensive Subjects: Association With Incident Coronary Heart Disease and Death, 33
Relaxin Increases Cardiac Output and Reduces Systemic Arterial Load in Hypertensive Rats, 745
Vascular Development, Pulse Pressure, and the Mechanisms of Hypertension, 205

Hypertension, essential
Altered AT_1 Receptor Regulation of ETB Receptors in Renal Proximal Tubule Cells of Spontaneously Hypertensive Rats, 926
Arterial Compression of the Retro-Olivary Sulcus of the Ventrolateral Medulla in Essential Hypertension and Diabetes, 982
Association of NEDD4L Ubiquitin Ligase With Essential Hypertension, 488
Cocoa Reduces Blood Pressure and Insulin Resistance and Improves Endothelium-Dependent Vasodilation in Hypertensives, 398
Differential Effects of Angiotensin II Type-1 Receptor Antisense Oligonucleotides on Renal Function in Spontaneously Hypertensive Rats, 58
North American Ginseng Exerts a Neutral Effect on Blood Pressure in Individuals With Hypertension, 406

Hypertension, experimental
Adenosine-Stimulated Atrial Natriuretic Peptide Release Through A_1 Receptor Subtype, 1381
Vascular Hypertrophy in Angiotensin II-Induced Hypertension Is Mediated by Vascular Smooth Muscle Cell-Derived H_2O_2, 732

Hypertension, genetics
Genome-Wide Linkage Analysis for Loci Affecting Pulse Pressure: The Family Blood Pressure Program, 1286

Hypertension, gestational
Angiotensin II Type 1 Receptor Agonistic Antibodies Reflect Fundamental Alterations in the Uteroplacental Vasculature, 1275
Uric Acid Is as Important as Proteinuria in Identifying Fetal Risk in Women With Gestational Hypertension, 1263

Hypertension, mild
Differing Administration Time-Dependent Effects of Aspirin on Blood Pressure in Dipper and Non-Dipper Hypertensives, 1060

Hypertension, obesity
Genome-Wide Scan for Linkage to Obesity-Associated Hypertension in French Canadians, 1280
Hypertension, pregnancy
Circulating Angiogenic Factors in the Pathogenesis and Prediction of Preeclampsia, 1077
Hypertension Produced by Reductions in Uterine Perfusion in the Pregnant Rat: Role of Tumor Necrosis Factor-α, 1022
Preeclampsia: Recent Insights, 1243
Hypertension, renal
The Kidney as a Determinant of Genetic Hypertension: Evidence From Renal Transplantation Studies, 463
Renin-Dependent Hypertension Caused by Nonfocal Stenotic Aberrant Renal Arteries: Proof of a New Syndrome, 380
Hypertension, renovascular
Evaluation of Vascular Function in Apolipoprotein E Knockout Mice With Angiotensin-Dependent Renovascular Hypertension, 932
Hypertension, sodium-dependent
High Sodium Intake Increases Blood Pressure and Alters Renal Function in Intrauterine Growth-Retarded Rats, 71
Melanocortin-4 Receptor-Deficient Mice Are Not Hypertensive or Salt-Sensitive Despite Obesity, Hyperinsulinemia, and Hyperleptinemia, 326
Peroxisome Proliferator-Activated Receptor-α Activation Reduces Salt-Dependent Hypertension During Chronic Endothelin B Receptor Blockade, 366
Hypertrophy
Aliskiren, a Human Renin Inhibitor, Ameliorates Cardiac and Renal Damage in Double-Transgenic Rats, 569
Angiotensin II-Mediated Phenotypic Cardiomyocyte Remodeling Leads to Age-Dependent Cardiac Dysfunction and Failure, 426
The Angiotensin II Type 2 Receptor Causes Constitutive Growth of Cardiomyocytes and Does Not Antagonize Angiotensin II Type 1 Receptor-Mediated Hypertrophy, 1347
Cardiovascular Morbidity and Mortality in Hypertensive Patients With Lower Versus Higher Risk: A LIFE Substudy, 492
Combined QT Interval and Voltage Criteria Improve Left Ventricular Hypertrophy Detection in Resistant Hypertension, 1207
Effect of Compensated Renal Dysfunction on Approved Heart Failure Markers: Direct Comparison of Brain Natriuretic Peptide (BNP) and N-Terminal Pro-BNP, 118
Left Ventricular Hypertrophy Is More Frevalent in Blacks Than Whites in the General Population: The Dallas Heart Study, 124
N-Terminal Pro Brain Natriuretic Peptide Is Inversely Related to Metabolic Cardiovascular Risk Factors and the Metabolic Syndrome, 660
A Population Association Study of Angiotensinogen Polymorphisms and Haplotypes With Left Ventricular Phenotypes, 1294
Potassium Supplementation Reduces Cardiac and Renal Hypertrophy Independent of Blood Pressure in DOCA/Salt Mice, 547
Role of Natriuretic Peptide Receptor Guanylyl Cyclase-A in Myocardial Infarction Evaluated Using Genetically Engineered Mice, 441
Sympathectomy or Doxazosin, But Not Propranolol, Blunt Myocardial Interstitial Fibrosis in Pressure-Overload Hypertrophy, 1213
Hypokalemia
Potassium Supplementation Reduces Cardiac and Renal Hypertrophy Independent of Blood Pressure in DOCA/Salt Mice, 547
Hypotension
Association of NEDD4L Ubiquitin Ligase With Essential Hypertension, 488
Neurocirculatory Abnormalities in Parkinson Disease With Orthostatic Hypotension: Independence From Levodopa Treatment, 1333
Hypothalamus
Activation of 5-Hydroxytryptamine 1A Receptors Suppresses the Cardiovascular Response Evoked From the Dorsomedial Hypothalamic Nucleus, 173
Hypertension and Exercise Training Differentially Affect Oxytocin and Oxytocin Receptor Expression in the Brain, 1004

I

Immunohistochemistry
Hypertension and Exercise Training Differentially Affect Oxytocin and Oxytocin Receptor Expression in the Brain, 1004
In Memoriam
Sandford Lloyd Skinner (1933-2005), 452
Inflammation
An Orally Active Epoxide Hydrolase Inhibitor Lowers Blood Pressure and Provides Renal Protection in Salt-Sensitive Hypertension, 975
Sex Difference in Vascular Injury and the Vasoprotective Effect of Valsartan Are Related to Differential AT_2 Receptor Expression, 577
Insulin
Cocoa Reduces Blood Pressure and Insulin Resistance and Improves Endothelium-Dependent Vasodilation in Hypertensives, 398
Two Major QTLs and Several Others Relate to Factors of Metabolic Syndrome in the Family Blood Pressure Program, 751
Insulin resistance
Beneficial Vascular and Metabolic Effects of Peroxisome Proliferator-Activated Receptor-α Activators, 1086
Lys418Asn Polymorphism of the α2-Adrenoceptor Gene Relates to Serum Uric Acid Levels But Not to Insulin Sensitivity, 144
Melanocortin-4 Receptor-Deficient Mice Are Not Hypertensive or Salt-Sensitive Despite Obesity, Hyperinsulinemia, and Hyperleptinemia, 326
PPARγ-Activating Angiotensin Type-1 Receptor Blockers Induce Adiponectin, 137
Interleukins
Oxidative Stress Mediates Angiotensin II-Dependent Stimulation of Sympathetic Nerve Activity, 533
Ion channels
Neuronal Prostacyclin Is an Autocrine Regulator of Arterial Baroreceptor Activity, 540
Ions
Urinary Prostasin: A Candidate Marker of Epithelial Sodium Channel Activation in Humans, 683
Ischemia
Aldosterone Nongenomically Worsens Ischemia Via Protein Kinase C-Dependent Pathways in Hypoperfused Canine Hearts, 113

K

Kallikrein-kinin systems
The Prothrombotic Paradox of Hypertension: Role of the Renin-Angiotensin and Kallikrein-Kinin Systems, 1236
Kidney
Adenosine Inhibits PDGF-Induced Growth of Human Glomerular Mesangial Cells Via A_{2B} Receptors, 628
Adenosine-Stimulated Atrial Natriuretic Peptide Release Through A_1 Receptor Subtype, 1381
Altered AT_1 Receptor Regulation of ETB Receptors in Renal Proximal Tubule Cells of Spontaneously Hypertensive Rats, 926
Androgen Receptor-Mediated Regulation of the α-Subunit of the Epithelial Sodium Channel in Human Kidney, 787
Angiotensin-Converting Enzyme 2 (ACE2) and ACE Activities Display Tissue-Specific Sensitivity to Undernutrition-Programmed Hypertension in the Adult Rat, 1169
Blood Pressure-Dependent Inhibition of Renin Secretion Requires A1 Adenosine Receptors, 780
Body Mass Index and Angiotensin-Dependent Control of the Renal Circulation in Healthy Humans, 1316
Correlates of Systolic Hypertension in Patients With Chronic Kidney Disease, 514
Differential Effects of Angiotensin II Type-1 Receptor Antisense Oligonucleotides on Renal Function in Spontaneously Hypertensive Rats, 58
Early Endothelin-A Receptor Blockade Decreases Blood Pressure and Ameliorates End-Organ Damage in Homozygous Ren-2 Rats, 969
Effect of Compensated Renal Dysfunction on Approved Heart Failure Markers: Direct Comparison of Brain Natriuretic Peptide (BNP) and N-Terminal Pro-BNP, 118
Hypertension Produced by Reductions in Uterine Perfusion in the Pregnant Rat: Role of Tumor Necrosis Factor-α, 1022
Local Renal Aldosterone System and Its Regulation by Salt, Diabetes, and Angiotensin II Type 1 Receptor, 584

An Orally Active Epoxide Hydrolase Inhibitor Lowers Blood Pressure and Provides Renal Protection in Salt-Sensitive Hypertension, 975
Pathways of Renal Fibrosis and Modulation of Matrix Turnover in Experimental Hypercholesterolemia, 772
Rat Strain Effects of AT_1 Receptor Activation on D_1 Dopamine Receptors in Immortalized Renal Proximal Tubule Cells, 799
Renin, Prorenin and the Putative (Pro)renin Receptor, 1069
Role of Calcitonin Gene-Related Peptide in Hypertension-Induced Renal Damage, 51
Superoxide Contributes to Development of Salt Sensitivity and Hypertension Induced by Nitric Oxide Deficiency, 1026

Kinase
A New Kindred With Pseudohypoaldosteronism Type II and a Novel Mutation (564D>H) in the Acidic Motif of the WNK4 Gene, 295
Role of the Actin Cytoskeleton in G-Protein-Coupled Receptor Activation of PYK2 and Paxillin in Vascular Smooth Muscle, 93

L

Letters to the Editor
Antihypertensive Treatment and Sympathetic Excitation. Letter to the editor, e8. Response to letter, e8
Are IA-2 and RESP18 Involved in Trait of Blood Pressure? Letter to the editor, e18. Response to letter, e18
Body Mass Index and Ambulatory Blood Pressure Monitoring. Letter to the editor, e1
Calcitonin Gene-Related Peptide and Sympathetic Nervous System in Hypertension-Induced Renal Damage, e23
Calibration of Noninvasively Recorded Upper-Limb Pressure Waves. Letter to the editor, e15. Response to letter, e15
Chocolate Consumption and Incidence of Hypertension. Letter to the editor, e21. Response to letter, e22
Effects of Ramipril on Arterial Stiffness. Letter to the editor, e14. Letter to the editor, e14
Essential Hypertension: Defending the Contribution of a Congenital Nephron Deficit. Letter to the editor, e4. Response to letter, e4
Hypertension; Diabetes: Chocolate With a Single Remedy? Letter to the editor, e17. Response to letter, e17
"Idiopathic" Instead of "Essential" or "Primary" Hypertension? Letter to the editor, e3
Oabain-Like Compound Changes Rapidly on Physical Exercise in Humans and Dogs. Letter to the editor, e13
Pulse Pressure and Antihypertensive Agents. Letter to the editor, e6. Response to letter, e6
Radioimmunoassays, Ouabain-Like Material, and Ouabain. Letter to the editor, e9. Response to letter, e9
Superiority of Ambulatory Over Clinic Blood Pressure Measurement. Letter to the editor, e11. Letter to the editor, e11
Urinary Albumin Excretion and Carotid Intima-Media Thickness. Letter to the editor, e20
White Coat Hypertension, Dipping, and Nondipping in Obesity. Response to letter, e1

Leukocytes
Detection of Angiotensin II in Supernatants of Stimulated Mononuclear Leukocytes by Matrix-Assisted Laser Desorption Ionization Time-of-Flight/Time-of-Flight Mass Analysis, 591

Lifestyle
Non-Narcotic Analgesic Dose and Risk of Incident Hypertension in US Women, 500

Lipids
Lipid Accumulation and Transforming Growth Factor-β Upregulation in the Kidneys of Rats Administered Angiotensin II, 1180
Two Major QTLs and Several Others Relate to Factors of Metabolic Syndrome in the Family Blood Pressure Program, 751

Lipoproteins
Adhesion Molecule Expression in Fibroblasts: Alteration in Fibroblast Biology After Transfection With LOX-1 Plasmids, 622
Vascular Sensitivity to Phenylephrine in Rats Submitted to Anaerobic Training and Nandrolone Treatment, 1010

Liver
Body Fat Distribution, Liver Enzymes, and Risk of Hypertension: Evidence From the Western New York Study, 1186

Lung
Angiotensin-Converting Enzyme 2 (ACE2) and ACE Activities Display Tissue-Specific Sensitivity to Undernutrition-Programmed Hypertension in the Adult Rat, 1169

M

Macrophages
Adipose Tissue Metabolism and CD11b Expression on Monocytes in Obese Hypertensives, 130
Human Urotensin II Accelerates Foam Cell Formation in Human Monocyte-Derived Macrophages, 738

Membranes
Neuronal Prostacyclin Is an Autocrine Regulator of Arterial Baroreceptor Activity, 540

Mesangium
Adenosine Inhibits PDGF-Induced Growth of Human Glomerular Mesangial Cells Via A_{2B} Receptors, 628

Mesenteric arteries
Evaluation of Vascular Function in Apolipoprotein E Knockout Mice With Angiotensin-Dependent Renovascular Hypertension, 932
Role of the Actin Cytoskeleton in G-Protein-Coupled Receptor Activation of PYK2 and Paxillin in Vascular Smooth Muscle, 93

Metabolism
Human Urotensin II Accelerates Foam Cell Formation in Human Monocyte-Derived Macrophages, 738
Potassium Supplementation Reduces Cardiac and Renal Hypertrophy Independent of Blood Pressure in DOCA/Salt Mice, 547
Two Major QTLs and Several Others Relate to Factors of Metabolic Syndrome in the Family Blood Pressure Program, 751

Metoprolol
Differential Effects of β-Blockers on Albuminuria in Patients With Type 2 Diabetes, 1309

Mice
Critical Role for CuZn-Superoxide Dismutase in Preventing Angiotensin II-Induced Endothelial Dysfunction, 1147
Electrophysiological Properties of Rostral Ventrolateral Medulla Neurons in Angiotensin II 1a Receptor Knockout Mice, 349
Evaluation of Vascular Function in Apolipoprotein E Knockout Mice With Angiotensin-Dependent Renovascular Hypertension, 932
Evaluation of Vascular Function in Apolipoprotein E Knockout Mice With Angiotensin-Dependent Renovascular Hypertension, 932
Potassium Supplementation Reduces Cardiac and Renal Hypertrophy Independent of Blood Pressure in DOCA/Salt Mice, 547

Microcirculation
Changes in Endothelial Function Precede the Clinical Disease in Women in Whom Preeclampsia Develops, 1123
Impaired Ca^{2+} Signaling Attenuates P2X Receptor-Mediated Vasoconstriction of Afferent Arterioles in Angiotensin II Hypertension, 562
Relationship Between Aortic Stiffening and Microvascular Disease in Brain and Kidney: Cause and Logic of Therapy, 200

Mineralocorticoids
Aldosterone Stimulates Collagen Gene Expression and Synthesis Via Activation of ERK1/2 in Rat Renal Fibroblasts, 1039
Aldosterone Stimulates Matrix Metalloproteinases and Reactive Oxygen Species in Adult Rat Ventricular Cardiomyocytes, 555
Aldosterone Stimulates Vascular Smooth Muscle Cell Proliferation Via Big Mitogen-Activated Protein Kinase 1 Activation, 1046
Low-Renin Hypertension With Relative Aldosterone Excess Is Associated With Impaired NO-Mediated Vasodilation, 707
Nongenomic Effects of Aldosterone in the Human Heart: Interaction With Angiotensin II, 701
Urinary Prostasin: A Candidate Marker of Epithelial Sodium Channel Activation in Humans, 683

Morbidity
Cardiovascular Risk in Relation to α-Adducin *Gly460Trp* Polymorphism and Systolic Pressure: A Prospective Population Study, 527
Effects of Noncardiovascular Comorbidities on Antihypertensive Use in Elderly Hypertensives, 273

Mortality
New Definition of Microalbuminuria in Hypertensive Subjects: Association With Incident Coronary Heart Disease and Death, 33

Superiority of Ambulatory Over Clinic Blood Pressure Measurement in Predicting Mortality: The Dublin Outcome Study, 156

Muscle, smooth, vascular
Regulation of Discoidin Domain Receptor 2 by Cyclic Mechanical Stretch in Cultured Rat Vascular Smooth Muscle Cells, 614
Sex Hormones as Potential Modulators of Vascular Function in Hypertension, 249

Mutation
A New Kindred With Pseudohypoaldosteronism Type II and a Novel Mutation (564D>H) in the Acidic Motif of the WNK4 Gene, 295

Myocardial infarction
Angiotensin-Converting Enzyme Inhibitors and Calcium Channel Blockers for Coronary Heart Disease and Stroke Prevention, 386
Effect of Compensated Renal Dysfunction on Approved Heart Failure Markers: Direct Comparison of Brain Natriuretic Peptide (BNP) and N-Terminal Pro-BNP, 118
Resident Nestin$^+$ Neural-Like Cells and Fibers Are Detected in Normal and Damaged Rat Myocardium, 1219
Therapeutic Potential of Endothelial Progenitor Cells in Cardiovascular Diseases, 7

Myocytes
Aldosterone Stimulates Matrix Metalloproteinases and Reactive Oxygen Species in Adult Rat Ventricular Cardiomyocytes, 555
Angiotensin II-Mediated Phenotypic Cardiomyocyte Remodeling Leads to Age-Dependent Cardiac Dysfunction and Failure, 426
The Angiotensin II Type 2 Receptor Causes Constitutive Growth of Cardiomyocytes and Does Not Antagonize Angiotensin II Type 1 Receptor-Mediated Hypertrophy, 1347

N

Natriuresis
Diuresis and Natriuresis Caused by Activation of VR1-Positive Sensory Nerves in Renal Pelvis of Rats, 992

Natriuretic peptides
Adenosine-Stimulated Atrial Natriuretic Peptide Release Through A_1 Receptor Subtype, 1381
Effect of Compensated Renal Dysfunction on Approved Heart Failure Markers: Direct Comparison of Brain Natriuretic Peptide (BNP) and N-Terminal Pro-BNP, 118
N-Terminal Pro Brain Natriuretic Peptide Is Inversely Related to Metabolic Cardiovascular Risk Factors and the Metabolic Syndrome, 660

Neurons
Neuronal Prostacyclin Is an Autocrine Regulator of Arterial Baroreceptor Activity, 540

Neurotransmitters
Hypertension and Exercise Training Differentially Affect Oxytocin and Oxytocin Receptor Expression in the Brain, 1004
VR1-Mediated Depressor Effects During High-Salt Intake: Role of Anandamide, 986

Neutrophils
Generation of Reactive Oxygen Species by Neutrophils and Endothelial Cell Injury in Normal and Preeclamptic Pregnancies, 696

Nitric oxide
Arterial Elasticity as Part of a Comprehensive Assessment of Cardiovascular Risk and Drug Treatment, 217
Basal NO Locally Modulates Human Iliac Artery Function In Vivo, 227
Calcium-Activated Potassium Channels and NO Regulate Human Peripheral Conduit Artery Mechanics, 210
Changes in Endothelial Function Precede the Clinical Disease in Women in Whom Preeclampsia Develops, 1123
Chronic Tumor Necrosis Factor-α Inhibition Enhances NO Modulation of Vascular Function in Estrogen-Deficient Rats, 76
Contribution of 20-HETE to Augmented Myogenic Constriction in Coronary Arteries of Endothelial NO Synthase Knockout Mice, 607
Differing Administration Time-Dependent Effects of Aspirin on Blood Pressure in Dipper and Non-Dipper Hypertensives, 1060
Endothelial NO Synthase Polymorphisms and Postural Tachycardia Syndrome, 1103
Generation of Reactive Oxygen Species by Neutrophils and Endothelial Cell Injury in Normal and Preeclamptic Pregnancies, 696
Increased Aortic NADPH Oxidase Activity in Rats With Genetically High Angiotensin-Converting Enzyme Levels, 1362
Oxidative Stress Mediates Angiotensin II-Dependent Stimulation of Sympathetic Nerve Activity, 533
Sex Hormones as Potential Modulators of Vascular Function in Hypertension, 249
Short-Term Angiotensin(1-7) Receptor Mas Stimulation Improves Endothelial Function in Normotensive Rats, 948
Superoxide Contributes to Development of Salt Sensitivity and Hypertension Induced by Nitric Oxide Deficiency, 1026
Vascular Sensitivity to Phenylephrine in Rats Submitted to Anaerobic Training and Nandrolone Treatment, 1010

Nitric oxide synthase
Lack of Inducible NO Synthase Reduces Oxidative Stress and Enhances Cardiac Response to Isoproterenol in Mice With Deoxycorticosterone Acetate-Salt Hypertension, 1355

Norepinephrine
Endothelial NO Synthase Polymorphisms and Postural Tachycardia Syndrome, 1103
Influence of Prolonged Baroreflex Activation on Arterial Pressure in Angiotensin Hypertension, 1194
Neurocirculatory Abnormalities in Parkinson Disease With Orthostatic Hypotension: Independence From Levodopa Treatment, 1333
Tyramine-Induced Vasodilation Mediated by Dopamine Contamination: A Paradox Resolved, 355

Normotension
Participation of Prostacyclin in Endothelial Dysfunction Induced by Aldosterone in Normotensive and Hypertensive Rats, 107

Nutrition
North American Ginseng Exerts a Neutral Effect on Blood Pressure in Individuals With Hypertension, 406

O

Obesity
Body Mass Index and Angiotensin-Dependent Control of the Renal Circulation in Healthy Humans, 1316
Cardiovascular Mortality in Overweight Subjects: The Key Role of Associated Risk Factors, 654
Left Ventricular Hypertrophy Is More Prevalent in Blacks Than Whites in the General Population: The Dallas Heart Study, 124
Melanocortin-4 Receptor-Deficient Mice Are Not Hypertensive or Salt-Sensitive Despite Obesity, Hyperinsulinemia, and Hyperleptinemia, 326
N-Terminal Pro Brain Natriuretic Peptide Is Inversely Related to Metabolic Cardiovascular Risk Factors and the Metabolic Syndrome, 660
Two Major QTLs and Several Others Relate to Factors of Metabolic Syndrome in the Family Blood Pressure Program, 751

Oxidative stress
Aldosterone Stimulates Matrix Metalloproteinases and Reactive Oxygen Species in Adult Rat Ventricular Cardiomyocytes, 555
c-Src-Dependent Nongenomic Signaling Responses to Aldosterone Are Increased in Vascular Myocytes From Spontaneously Hypertensive Rats, 1032
Critical Role for CuZn-Superoxide Dismutase in Preventing Angiotensin II-Induced Endothelial Dysfunction, 1147
Effects of Captopril on the Renin Angiotensin System, Oxidative Stress, and Endothelin in Normal and Hypertensive Rats, 943
Exercise Training Improves Baroreflex Sensitivity Associated With Oxidative Stress Reduction in Ovariectomized Rats, 998
Lack of Inducible NO Synthase Reduces Oxidative Stress and Enhances Cardiac Response to Isoproterenol in Mice With Deoxycorticosterone Acetate-Salt Hypertension, 1355
Pathways of Renal Fibrosis and Modulation of Matrix Turnover in Experimental Hypercholesterolemia, 772
Preeclampsia: Recent Insights, 1243
Sex Difference in Vascular Injury and the Vasoprotective Effect of Valsartan Are Related to Differential AT_2 Receptor Expression, 577
Vascular Hypertrophy in Angiotensin II-Induced Hypertension Is Mediated by Vascular Smooth Muscle Cell-Derived H_2O_2, 732

P

Peroxisome proliferator-activated receptor
Pioglitazone Improves Aortic Wall Elasticity in a Rat Model of Elastocalcinotic Arteriosclerosis, 372

Phenylephrine
Blood Pressure-Dependent Inhibition of Renin Secretion Requires A1 Adenosine Receptors, 780
Vascular Sensitivity to Phenylephrine in Rats Submitted to Anaerobic Training and Nandrolone Treatment, 1010

Phosphorylation
Altered AT_1 Receptor Regulation of ETB Receptors in Renal Proximal Tubule Cells of Spontaneously Hypertensive Rats, 926
Role of the Actin Cytoskeleton in G-Protein-Coupled Receptor Activation of PYK2 and Paxillin in Vascular Smooth Muscle, 93

Plasma
Endothelin-1 (1-31) Is an Intermediate in the Production of Endothelin-1 After Big Endothelin-1 Administration In Vivo, 87

Plasminogen
Differing Effects of Mineralocorticoid Receptor-Dependent and -Independent Potassium-Sparing Diuretics on Fibrinolytic Balance, 313

Plethysmography
Fructose Feeding Increases Insulin Resistance but Not Blood Pressure in Sprague-Dawley Rats, 806

Polymorphism
Association of the T8590C Polymorphism of *CYP4A11* With Hypertension in the MONICA Augsburg Echocardiographic Substudy, 766
Increased Aortic NADPH Oxidase Activity in Rats With Genetically High Angiotensin-Converting Enzyme Levels, 1362
Interactive Effects of Common β_2-Adrenoceptor Haplotypes and Age on Susceptibility to Hypertension and Receptor Function, 301
Lys418Asn Polymorphism of the α2-Adrenoceptor Gene Relates to Serum Uric Acid Levels But Not to Insulin Sensitivity, 144
WNK1 Kinase Polymorphism and Blood Pressure Response to a Thiazide Diuretic, 758

Population
A Population Association Study of Angiotensinogen Polymorphisms and Haplotypes With Left Ventricular Phenotypes, 1294

Potassium channels
Calcium-Activated Potassium Channels and NO Regulate Human Peripheral Conduit Artery Mechanics, 210
Nicorandil Promotes Myocardial Capillary and Arteriolar Growth in the Failing Heart of Dahl Salt-Sensitive Hypertensive Rats, 719

Preeclampsia
Angiotensin II Type 1 Receptor Agonistic Antibodies Reflect Fundamental Alterations in the Uteroplacental Vasculature, 1275
Changes in Endothelial Function Precede the Clinical Disease in Women in Whom Preeclampsia Develops, 1123
Circulating Angiogenic Factors in the Pathogenesis and Prediction of Preeclampsia, 1077
Generation of Reactive Oxygen Species by Neutrophils and Endothelial Cell Injury in Normal and Preeclamptic Pregnancies, 696
Preeclampsia: Recent Insights, 1243
Role of Endothelin in Mediating Tumor Necrosis Factor-Induced Hypertension in Pregnant Rats, 82
Thrombophilia Is Significantly Associated With Severe Preeclampsia: Results of a Large-Scale, Case-Controlled Study, 1270
Uric Acid Is as Important as Proteinuria in Identifying Fetal Risk in Women With Gestational Hypertension, 1263

Pregnancy
Angiotensin II Type 1 Receptor Agonistic Antibodies Reflect Fundamental Alterations in the Uteroplacental Vasculature, 1275
Changes in Endothelial Function Precede the Clinical Disease in Women in Whom Preeclampsia Develops, 1123
Generation of Reactive Oxygen Species by Neutrophils and Endothelial Cell Injury in Normal and Preeclamptic Pregnancies, 696
Hypertension Produced by Reductions in Uterine Perfusion in the Pregnant Rat: Role of Tumor Necrosis Factor-α, 1022
Role of Endothelin in Mediating Tumor Necrosis Factor-Induced Hypertension in Pregnant Rats, 82
Uric Acid Is as Important as Proteinuria in Identifying Fetal Risk in Women With Gestational Hypertension, 1263

Prostacyclin
Intracellular Signaling for Vasoconstrictor Coupling Factor 6: Novel Function of β-Subunit of ATP Synthase as Receptor, 1140
Neuronal Prostacyclin Is an Autocrine Regulator of Arterial Baroreceptor Activity, 540
Participation of Prostacyclin in Endothelial Dysfunction Induced by Aldosterone in Normotensive and Hypertensive Rats, 107

Prostaglandins
Blood Pressure-Dependent Inhibition of Renin Secretion Requires A1 Adenosine Receptors, 780
Evidence for a Functional Interaction of the Angiotensin-(1-7) Receptor Mas With AT_1 and AT_2 Receptors in the Mouse Heart, 937

Protein kinases
Aldosterone Nongenomically Worsens Ischemia Via Protein Kinase C-Dependent Pathways in Hypoperfused Canine Hearts, 113
Aldosterone Stimulates Vascular Smooth Muscle Cell Proliferation Via Big Mitogen-Activated Protein Kinase 1 Activation, 1046
Hydrolysis of Angiotensin Peptides by Human Angiotensin I-Converting Enzyme and the Resensitization of B_2 Kinin Receptors, 1368
Regulation of Discoidin Domain Receptor 2 by Cyclic Mechanical Stretch in Cultured Rat Vascular Smooth Muscle Cells, 614

Proteinuria
Circulating Angiogenic Factors in the Pathogenesis and Prediction of Preeclampsia, 1077
Correlates of Systolic Hypertension in Patients With Chronic Kidney Disease, 514
Differential Effects of Angiotensin II Type-1 Receptor Antisense Oligonucleotides on Renal Function in Spontaneously Hypertensive Rats, 58
Modest Salt Reduction Reduces Blood Pressure and Urine Protein Excretion in Black Hypertensives: A Randomized Control Trial, 308

Pulse
Changes in Aortic Stiffness and Augmentation Index After Acute Converting Enzyme or Vasopeptidase Inhibition, 1111
Noninvasive Assessment of Local Pulse Pressure: Importance of Brachial-to-Radial Pressure Amplification, 244
Pioglitazone Improves Aortic Wall Elasticity in a Rat Model of Elastocalcinotic Arteriosclerosis, 372
Relationship Between Aortic Stiffening and Microvascular Disease in Brain and Kidney: Cause and Logic of Therapy, 200
Vascular Development, Pulse Pressure, and the Mechanisms of Hypertension, 205

R

Rabbits
Baroreceptor Denervation Prevents Sympathoinhibition During Angiotensin II-Induced Hypertension, 168
Endothelin-1 (1-31) Is an Intermediate in the Production of Endothelin-1 After Big Endothelin-1 Administration In Vivo, 87

Rats
The Angiotensin II Type 2 Receptor Causes Constitutive Growth of Cardiomyocytes and Does Not Antagonize Angiotensin II Type 1 Receptor-Mediated Hypertrophy, 1347
Angiotensin-Converting Enzyme 2 (ACE2) and ACE Activities Display Tissue-Specific Sensitivity to Undernutrition-Programmed Hypertension in the Adult Rat, 1169
Blockade of Endogenous Angiotensin-(1-7) in the Hypothalamic Paraventricular Nucleus Reduces Renal Sympathetic Tone, 341
Differential Effects of Angiotensin II Type-1 Receptor Antisense Oligonucleotides on Renal Function in Spontaneously Hypertensive Rats, 58
Exercise Training Improves Baroreflex Sensitivity Associated With Oxidative Stress Reduction in Ovariectomized Rats, 998
Relaxin Reverses Cardiac and Renal Fibrosis in Spontaneously Hypertensive Rats, 412
Resident Nestin$^+$ Neural-Like Cells and Fibers Are Detected in Normal and Damaged Rat Myocardium, 1219
Sex-Specific Effects of Prenatal Low-Protein and Carbenoxolone Exposure on Renal Angiotensin Receptor Expression in Rats, 1374
Vascular Sensitivity to Phenylephrine in Rats Submitted to Anaerobic Training and Nandrolone Treatment, 1010

Rats, inbred SHR
c-Src-Dependent Nongenomic Signaling Responses to Aldosterone Are Increased in Vascular Myocytes From Spontaneously Hypertensive Rats, 1032
Rats, spontaneously hypertensive
Effects of Captopril on the Renin Angiotensin System, Oxidative Stress, and Endothelin in Normal and Hypertensive Rats, 943
Hypertension and Exercise Training Differentially Affect Oxytocin and Oxytocin Receptor Expression in the Brain, 1004
Inhibition of Rho-Kinase in the Nucleus Tractus Solitarius Enhances Glutamate Sensitivity in Rats, 360
Rat Strain Effects of AT_1 Receptor Activation on D_1 Dopamine Receptors in Immortalized Renal Proximal Tubule Cells, 799
Relaxin Increases Cardiac Output and Reduces Systemic Arterial Load in Hypertensive Rats, 745
Rats, transgenic
Aliskiren, a Human Renin Inhibitor, Ameliorates Cardiac and Renal Damage in Double-Transgenic Rats, 569
Receptors
Adenosine-Stimulated Atrial Natriuretic Peptide Release Through A_1 Receptor Subtype, 1381
The Angiotensin II Type 2 Receptor Causes Constitutive Growth of Cardiomyocytes and Does Not Antagonize Angiotensin II Type 1 Receptor-Mediated Hypertrophy, 1347
Receptors, adenine
Adenosine Inhibits PDGF-Induced Growth of Human Glomerular Mesangial Cells Via A_{2B} Receptors, 628
Receptors, adrenergic beta
Interactive Effects of Common β_2-Adrenoceptor Haplotypes and Age on Susceptibility to Hypertension and Receptor Function, 301
Receptors, angiotensin
Angiotensin II Type 1 Receptor Agonistic Antibodies Reflect Fundamental Alterations in the Uteroplacental Vasculature, 1275
Evidence for a Functional Interaction of the Angiotensin-(1-7) Receptor Mas With AT_1 and AT_2 Receptors in the Mouse Heart, 937
Renin, Prorenin and the Putative (Pro)renin Receptor, 1069
Role of Natriuretic Peptide Receptor Guanylyl Cyclase-A in Myocardial Infarction Evaluated Using Genetically Engineered Mice, 441
Sex Difference in Vascular Injury and the Vasoprotective Effect of Valsartan Are Related to Differential AT_2 Receptor Expression, 577
Sex-Specific Effects of Prenatal Low-Protein and Carbenoxolone Exposure on Renal Angiotensin Receptor Expression in Rats, 1374
Receptors, angiotensin II
Detection of Angiotensin II in Supernatants of Stimulated Mononuclear Leukocytes by Matrix-Assisted Laser Desorption Ionization Time-of-Flight/Time-of-Flight Mass Analysis, 591
Differential Effects of Angiotensin II Type-1 Receptor Antisense Oligonucleotides on Renal Function in Spontaneously Hypertensive Rats, 58
Electrophysiological Properties of Rostral Ventrolateral Medulla Neurons in Angiotensin II 1a Receptor Knockout Mice, 349
Local Renal Aldosterone System and Its Regulation by Salt, Diabetes, and Angiotensin II Type 1 Receptor, 584
Rat Strain Effects of AT_1 Receptor Activation on D_1 Dopamine Receptors in Immortalized Renal Proximal Tubule Cells, 799
Sex-Specific Effects of Prenatal Low-Protein and Carbenoxolone Exposure on Renal Angiotensin Receptor Expression in Rats, 1374
Unconventional Homologous Internalization of the Angiotensin II Type-1 Receptor Induced by G-Protein-Independent Signals, 419
Receptors, purinergic
Impaired Ca^{2+} Signaling Attenuates P2X Receptor-Mediated Vasoconstriction of Afferent Arterioles in Angiotensin II Hypertension, 562
Remodeling
Adenosine Inhibits PDGF-Induced Growth of Human Glomerular Mesangial Cells Via A_{2B} Receptors, 628
Pathways of Renal Fibrosis and Modulation of Matrix Turnover in Experimental Hypercholesterolemia, 772
A Population Association Study of Angiotensinogen Polymorphisms and Haplotypes With Left Ventricular Phenotypes, 1294
Relaxin Reverses Cardiac and Renal Fibrosis in Spontaneously Hypertensive Rats, 412
Remodeling of Blood Vessels: Responses of Diameter and Wall Thickness to Hemodynamic and Metabolic Stimuli, 725
Role of Natriuretic Peptide Receptor Guanylyl Cyclase-A in Myocardial Infarction Evaluated Using Genetically Engineered Mice, 441
Sex Difference in Vascular Injury and the Vasoprotective Effect of Valsartan Are Related to Differential AT_2 Receptor Expression, 577
Renal circulation
Association of NEDD4L Ubiquitin Ligase With Essential Hypertension, 488
Impaired Ca^{2+} Signaling Attenuates P2X Receptor-Mediated Vasoconstriction of Afferent Arterioles in Angiotensin II Hypertension, 562
Renal disease
Adenosine Inhibits PDGF-Induced Growth of Human Glomerular Mesangial Cells Via A_{2B} Receptors, 628
Blood Pressure Control, Drug Therapy, and Kidney Disease, 44
Calcium Antagonists: Effects on Cardio-Renal Risk in Hypertensive Patients, 637
Relationship Between Aortic Stiffening and Microvascular Disease in Brain and Kidney: Cause and Logic of Therapy, 200
Renal pelvis
Diuresis and Natriuresis Caused by Activation of VR1-Positive Sensory Nerves in Renal Pelvis of Rats, 992
Renal vascular resistance
Glomerular Cytochrome P-450 and Cyclooxygenase Metabolites Regulate Efferent Arteriole Resistance, 1175
Renin
Aliskiren, a Human Renin Inhibitor, Ameliorates Cardiac and Renal Damage in Double-Transgenic Rats, 569
Differing Effects of Mineralocorticoid Receptor-Dependent and -Independent Potassium-Sparing Diuretics on Fibrinolytic Balance, 313
Low-Renin Hypertension With Relative Aldosterone Excess Is Associated With Impaired NO-Mediated Vasodilation, 707
Novel Mass Spectrometric Methods for Evaluation of Plasma Angiotensin Converting Enzyme 1 and Renin Activity, 953
Renin-Dependent Hypertension Caused by Nonfocal Stenotic Aberrant Renal Arteries: Proof of a New Syndrome, 380
Renin, Prorenin and the Putative (Pro)renin Receptor, 1069
Urinary Prostasin: A Candidate Marker of Epithelial Sodium Channel Activation in Humans, 683
Renin-angiotensin system
Angiotensin II-Mediated Phenotypic Cardiomyocyte Remodeling Leads to Age-Dependent Cardiac Dysfunction and Failure, 426
Angiotensin-Converting Enzyme 2 (ACE2) and ACE Activities Display Tissue-Specific Sensitivity to Undernutrition-Programmed Hypertension in the Adult Rat, 1169
Body Mass Index and Angiotensin-Dependent Control of the Renal Circulation in Healthy Humans, 1316
Calcium Inhibits Renin Gene Expression by Transcriptional and Posttranscriptional Mechanisms, 1340
Combined Angiotensin II Type 1 and Type 2 Receptor Blockade on Vascular Remodeling and Matrix Metalloproteinases in Resistance Arteries, 598
Influence of Prolonged Baroreflex Activation on Arterial Pressure in Angiotensin Hypertension, 1194
Melanocortin-4 Receptor-Deficient Mice Are Not Hypertensive or Salt-Sensitive Despite Obesity, Hyperinsulinemia, and Hyperleptinemia, 326
The Prothrombotic Paradox of Hypertension: Role of the Renin-Angiotensin and Kallikrein-Kinin Systems, 1236
Short-Term Angiotensin(1-7) Receptor Mas Stimulation Improves Endothelial Function in Normotensive Rats, 948
Risk factors
Arterial Aging: Is It an Immutable Cardiovascular Risk Factor?, 454
Cardiovascular Morbidity and Mortality in Hypertensive Patients With Lower Versus Higher Risk: A LIFE Substudy, 492
Cardiovascular Mortality in Overweight Subjects: The Key Role of Associated Risk Factors, 654
Coffee Blunts Mental Stress-Induced Blood Pressure Increase in Habitual but Not in Nonhabitual Coffee Drinkers, 521

Comparison of Blood Pressure-Associated Risk of Intracerebral Hemorrhage and Subarachnoid Hemorrhage: Korea Medical Insurance Corporation Study, 393
Effects of Endurance Training on Blood Pressure, Blood Pressure-Regulating Mechanisms, and Cardiovascular Risk Factors, 667
Impact of Chronic Psychosocial Stress on Autonomic Cardiovascular Regulation in Otherwise Healthy Subjects, 1201
N-Terminal Pro Brain Natriuretic Peptide Is Inversely Related to Metabolic Cardiovascular Risk Factors and the Metabolic Syndrome, 660
Non-Narcotic Analgesic Dose and Risk of Incident Hypertension in US Women, 500
Parental Longevity and 7-Year Changes in Blood Pressures in Adult Offspring, 287
Uric Acid Is as Important as Proteinuria in Identifying Fetal Risk in Women With Gestational Hypertension, 1263

S

Sensory nerves
Diuresis and Natriuresis Caused by Activation of VR1-Positive Sensory Nerves in Renal Pelvis of Rats, 992
VR1-Mediated Depressor Effects During High-Salt Intake: Role of Anandamide, 986
Signal transduction
c-Src-Dependent Nongenomic Signaling Responses to Aldosterone Are Increased in Vascular Myocytes From Spontaneously Hypertensive Rats, 1032
Sleep apnea syndromes
Muscle Sympathetic Nerve Activity During Wakefulness in Heart Failure Patients With and Without Sleep Apnea, 1327
Obstructive Sleep Apnea-Dependent and -Independent Adrenergic Activation in Obesity, 321
Sex Differences in Blood Pressure Response to Intermittent Hypoxia in Rats, 1016
Sodium
High Sodium Intake Increases Blood Pressure and Alters Renal Function in Intrauterine Growth-Retarded Rats, 71
Influence of Prolonged Baroreflex Activation on Arterial Pressure in Angiotensin Hypertension, 1194
Urinary Prostasin: A Candidate Marker of Epithelial Sodium Channel Activation in Humans, 683
Sodium channels
Androgen Receptor-Mediated Regulation of the α-Subunit of the Epithelial Sodium Channel in Human Kidney, 787
Association of NEDD4L Ubiquitin Ligase With Essential Hypertension, 488
Improvement in Blood Pressure With Inhibition of the Epithelial Sodium Channel in Blacks With Hypertension, 481
Mechanisms of Mineralocorticoid Action, 1227
Urinary Prostasin: A Candidate Marker of Epithelial Sodium Channel Activation in Humans, 683
Sodium, dietary
Effects of Salt Sensitivity on Neural Cardiovascular Regulation in Essential Hypertension, 1321
Modest Salt Reduction Lowers Blood Pressure in Isolated Systolic Hypertension and Combined Hypertension, 66
Modest Salt Reduction Reduces Blood Pressure and Urine Protein Excretion in Black Hypertensives: A Randomized Control Trial, 308
Stress
Activation of 5-Hydroxytryptamine 1A Receptors Suppresses the Cardiovascular Response Evoked From the Dorsomedial Hypothalamic Nucleus, 173
Impact of Chronic Psychosocial Stress on Autonomic Cardiovascular Regulation in Otherwise Healthy Subjects, 1201
Stroke
Angiotensin-Converting Enzyme Inhibitors and Calcium Channel Blockers for Coronary Heart Disease and Stroke Prevention, 386
Cardiovascular Morbidity and Mortality in Hypertensive Patients With Lower Versus Higher Risk: A LIFE Substudy, 492
Stroke, volume
Increased Stroke Volume and Aortic Stiffness Contribute to Isolated Systolic Hypertension in Young Adults, 221
Sympathectomy
Sympathectomy or Doxazosin, But Not Propranolol, Blunt Myocardial Interstitial Fibrosis in Pressure-Overload Hypertrophy, 1213
Sympathetic nervous system
Baroreceptor Denervation Prevents Sympathoinhibition During Angiotensin II-Induced Hypertension, 168
Coffee Blunts Mental Stress-Induced Blood Pressure Increase in Habitual but Not in Nonhabitual Coffee Drinkers, 521
Electrophysiological Properties of Rostral Ventrolateral Medulla Neurons in Angiotensin II 1a Receptor Knockout Mice, 349
Influence of Prolonged Baroreflex Activation on Arterial Pressure in Angiotensin Hypertension, 1194
Muscle Sympathetic Nerve Activity During Wakefulness in Heart Failure Patients With and Without Sleep Apnea, 1327
Neurocirculatory Abnormalities in Parkinson Disease With Orthostatic Hypotension: Independence From Levodopa Treatment, 1333
Obstructive Sleep Apnea-Dependent and -Independent Adrenergic Activation in Obesity, 321
Oxidative Stress Mediates Angiotensin II-Dependent Stimulation of Sympathetic Nerve Activity, 533
Slow Breathing Improves Arterial Baroreflex Sensitivity and Decreases Blood Pressure in Essential Hypertension, 714
Tyramine-Induced Vasodilation Mediated by Dopamine Contamination: A Paradox Resolved, 355
Systole
Early Endothelin-A Receptor Blockade Decreases Blood Pressure and Ameliorates End-Organ Damage in Homozygous Ren-2 Rats, 969

T

Tachycardia
Endothelial NO Synthase Polymorphisms and Postural Tachycardia Syndrome, 1103
Transforming growth factors
Lipid Accumulation and Transforming Growth Factor-β Upregulation in the Kidneys of Rats Administered Angiotensin II, 1180
Regulation of Discoidin Domain Receptor 2 by Cyclic Mechanical Stretch in Cultured Rat Vascular Smooth Muscle Cells, 614
Tumor necrosis factor
Chronic Tumor Necrosis Factor-α Inhibition Enhances NO Modulation of Vascular Function in Estrogen-Deficient Rats, 76

U

Uric acid
Lys418Asn Polymorphism of the α2-Adrenoceptor Gene Relates to Serum Uric Acid Levels But Not to Insulin Sensitivity, 144
Uric Acid Is as Important as Proteinuria in Identifying Fetal Risk in Women With Gestational Hypertension, 1263
Urine
Urine Albumin Excretion and Subclinical Cardiovascular Disease: The Multi-Ethnic Study of Atherosclerosis, 38

V

Vascular diseases
Arterial Stiffness in Chronic Inflammatory Diseases, 194
Therapeutic Potential of Endothelial Progenitor Cells in Cardiovascular Diseases, 7
Vascular Hypertrophy in Angiotensin II-Induced Hypertension Is Mediated by Vascular Smooth Muscle Cell-Derived H_2O_2, 732
Vascular resistance
Relaxin Increases Cardiac Output and Reduces Systemic Arterial Load in Hypertensive Rats, 745
Vasculature
Circulating Angiogenic Factors in the Pathogenesis and Prediction of Preeclampsia, 1077
Vasoconstriction
Detection of Angiotensin II in Supernatants of Stimulated Mononuclear Leukocytes by Matrix-Assisted Laser Desorption Ionization Time-of-Flight/Time-of-Flight Mass Analysis, 591
Gender-Specific Alteration of Adrenergic Responses in Small Femoral Arteries From Estrogen Receptor-β Knockout Mice, 1163

Human Urotensin II Accelerates Foam Cell Formation in Human Monocyte-Derived Macrophages, 738
Vasodilation
Activation of Vascular BK Channel by Tempol in DOCA-Salt Hypertensive Rats, 1154
Relaxin Increases Cardiac Output and Reduces Systemic Arterial Load in Hypertensive Rats, 745
Ventricular function
Effect of Compensated Renal Dysfunction on Approved Heart Failure Markers: Direct Comparison of Brain Natriuretic Peptide (BNP) and N-Terminal Pro-BNP, 118
Ventricular Arterial Stiffening: Integrating the Pathophysiology, 185
Vessels
Critical Role for CuZn-Superoxide Dismutase in Preventing Angiotensin II-Induced Endothelial Dysfunction, 1147
Renin-Dependent Hypertension Caused by Nonfocal Stenotic Aberrant Renal Arteries: Proof of a New Syndrome, 380
Vitamins
Vitamin D Intake and Risk of Incident Hypertension: Results From Three Large Prospective Cohort Studies, 676

W

Women
Non-Narcotic Analgesic Dose and Risk of Incident Hypertension in US Women, 500

Y

Young adults
Increased Stroke Volume and Aortic Stiffness Contribute to Isolated Systolic Hypertension in Young Adults, 221